APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Investigation of the Alkaloids of Trachelanthus Korolkovi. II, by G. P. Men'shikov, G. M. Borodina, 18 pp.

RUSSIAN, per, Zhur.Obshchei Khimii, Vol XV, No 3, 1945, pp 225-236.

Sci Tr Center RT-2502

UBSR
Scientific - Chemistry

28,271

Nov 55
CTS/DEX

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

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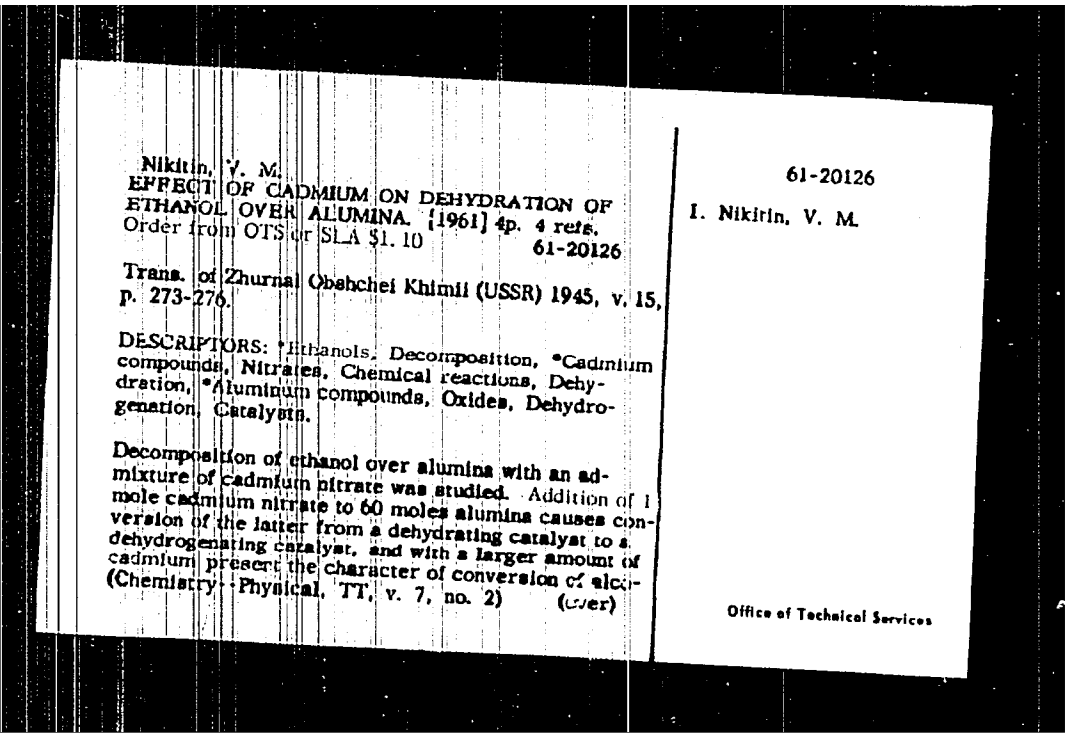

Nikitin, V. M.
EFFECT OF CADMIUM ON DEHYDRATION OF ETHANOL OVER ALUMINA. [1961] 4p. 4 refs.
Order from OTS or SLA $1.10 61-20126

Trans. of Zhurnal Obshchei Khimii (USSR) 1945, v. 15, p. 273-276.

DESCRIPTORS: *Ethanols, Decomposition, *Cadmium compounds, Nitrates, Chemical reactions, Dehydration, *Aluminum compounds, Oxides, Dehydrogenation, Catalysts.

Decomposition of ethanol over alumina with an admixture of cadmium nitrate was studied. Addition of 1 mole cadmium nitrate to 60 moles alumina causes conversion of the latter from a dehydrating catalyst to a dehydrogenating catalyst, and with a larger amount of cadmium present the character of conversion of alc-
(Chemistry - Physical, TT, v. 7, no. 2) (over)

61-20126

I. Nikitin, V. M.

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

JOURNAL OF GENERAL CHEMISTRY, 1945, VOL. 15, NO. 4/5: [TABLE OF CONTENTS AND SELECTED ABSTRACTS]. [1962] 5p. 14 refs.
Order from OTS or SLA $1.10

62-10855

62-10855

Abstract trans. of Zhurnal Obshchei Khimii (USSR) 1945, v. 15, no. 4/5, p. 332-340 and 363-366.

DESCRIPTORS: *Chemistry, *Abstracts, Bromides, Phthalic acids, Imides, Molecular structure, Synthesis (Chemistry), Hydrogenation, Molecular isomerism, Benzenes, Butyl radicals, Calcium, Ammonium radicals.

Contents:
Bromophthalimide, its structure and application in organic syntheses, by N. I. Putokhin
Hydrogenation of isomers of butylbenzene with calcium-ammonium, by S. I. Khromov and Z. A. Rumyantseva (Chemistry, TT, v. 9, no. 9)

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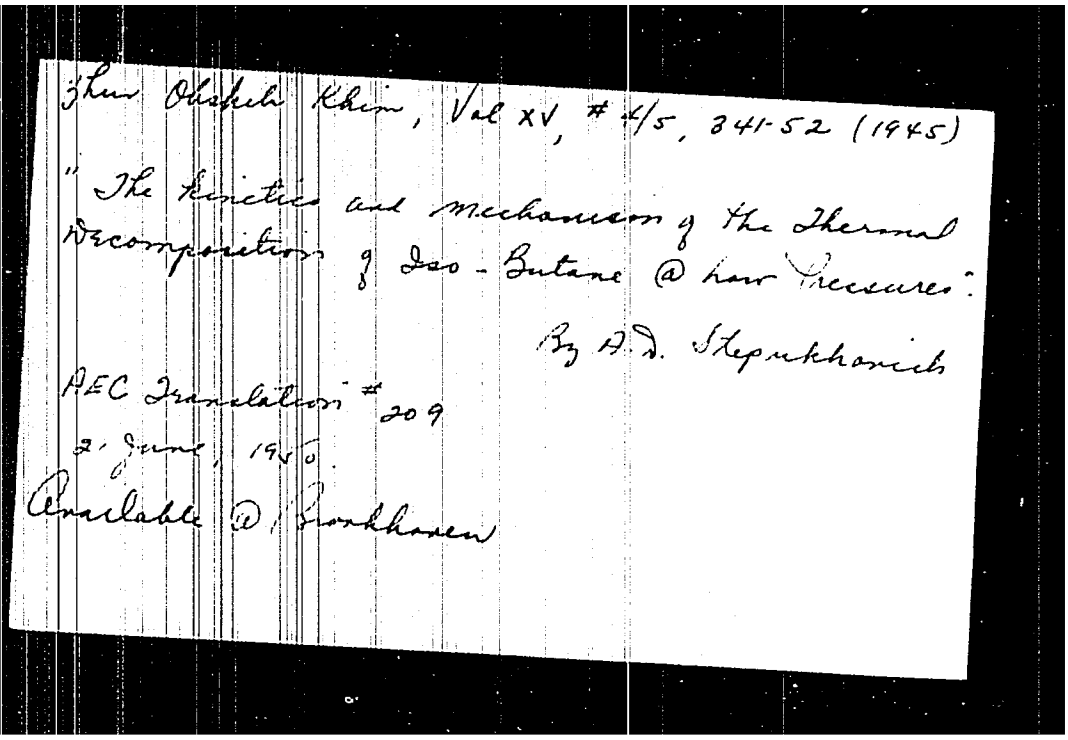

Zhur Obshch Khim, Vol XV, #4/5, 341-52 (1945)

"The Kinetics and Mechanism of the Thermal Decomposition of Iso-Butane @ low Pressures"

By N.I. Stepukhovich

AEC Translation #209

2 June, 1950

Available @ Frankford

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Polymerization of Acrylvinyl Ethers, by E. P. Lossev, O. Ya. Fedotova, Trostyanskaya, E. B., 8 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XV, No 4/5, 1945, pp 353-357.

SLA 59-15838

Sci
Dec 59
Vol 2, No 5

103,590

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Nametkin, S. S. and Abakumovskaya, L. N.
HYDROPOLYMERIZATION OF 3-METHYL-1-BUTENE BY 100 PER CENT SULFURIC ACID. [1961] 4p. 5 refs.
Order from OTS or SLA $1.10 61-20129

Trans. of Zhurnal Obshchei Khimii (USSR) 1945, v. 15, p. 358-361.

DESCRIPTORS: *Sulfuric acid, *Butenes, Polymers, *Polymerization, *Hydrogenation, Hydrocarbons, Ethylenes, Methyl radicals.

Hydropolymerization of 3-methyl-1-butene under the action of 100% sulfuric acid was studied under different conditions. Formation in this reaction of hydrogenated polymers from dimers to hexamers, inclusive, was shown. When 100% sulfuric acid is used, the hydropolymerization of 3-methyl-1-butene forms more
(Chemistry--Organic, TT, v. 7, no. 5) (over)

61-20129

I. Nametkin, S. S.
II. Abakumovskaya, L. N.

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Effect of Pinacolins on Magnesium Tertbutyl Chloride Solution, by V. M. Tolstopiatov, I. V. Voroshilova, 18 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XV, No 6, 1945, pp 565-573.

Sci Tr Center
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Sci - Chemistry
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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Zhdanov, A. K.
INCREASE OF ENTROPY IN THE FORMATION OF AZEOTROPIC MIXTURES, II. [1961] 5p. 7 refs.
Order from OTS or SLA $1.10 61-20143

Trans. of Zhurnal Obshchei Khimii (USSR) 1945, v. 15, p. 587-590.

DESCRIPTORS: *Entropy, *Mixtures, Boiling, Alcohols, Heat of formation.

On the basis of data for thermal expansion, latent heats of evaporation and heat capacity under constant pressure formulas were derived for the determination of the change of entropy accompanying formation of each of the following azeotropic mixtures: (1) benzene-isobutyl alcohol; (2) carbon disulfide-acetone; (3) carbon disulfide-isopropyl alcohol; (4) carbon disulfide-ethyl acetate. The numerical value of the change of entropy
(Chemistry--Organic, TT, v. 7, no. 8) (over)

61-20143

I. Zhdanov, A. K.

201427

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Catalytic Hydrogenation. I. Kinetic Equation of Hydrogenation and Dehydrogenation Over Nickel Catalyst, by A. A. Balandin, 25 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XV, No 7/8, 1945, pp 608-618.

Sci Trans Center
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Scientific - Chemistry
CTS 75/Dec 55

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Tsukervanik, I. P.
CONDENSATION OF ALCOHOLS WITH AROMATIC COMPOUNDS IN THE PRESENCE OF ALUMINUM CHLORIDE. XI. MECHANISM OF ALKYLATION OF AROMATIC HYDROCARBONS WITH ALCOHOLS.
[1961] 6p. 7 refs.
Order from: OTS or SLA $1.10 61-20141

Trans. of Zhurnal Obshchei Khimii (USSR) 1945, v. 15, p. 635-638.

DESCRIPTORS: *Alcohols, *Condensation reactions, Aluminum compounds, *Chlorides, *Alkyl radicals, *Hydrocarbons.

Decomposition of products of interaction of alcohols with aluminum chloride was investigated at temperatures above 100°. Contrary to the data of Norris and Sturgis (J. Am. Chem. Soc. 61: 1413, 1939), high

(Chemistry--Organic, TT, v. 7, no. 9) (over)

61-20141

I. Tsukervanik, I. P.
II. Title: Mechanism. . .

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

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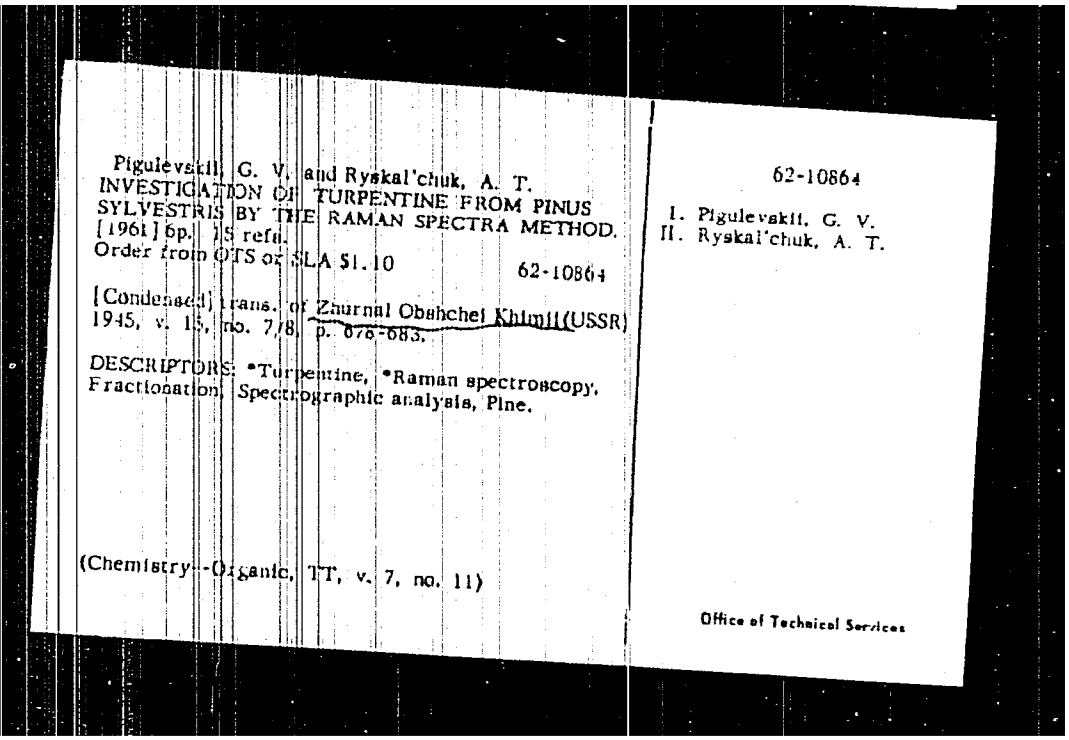

Pigulevskii, G. V. and Ryskal'chuk, A. T.
INVESTIGATION OF TURPENTINE FROM PINUS SYLVESTRIS BY THE RAMAN SPECTRA METHOD.
[1961] 6p. 18 refs.
Order from OTS or SLA $1.10 62-10864

[Condensed] trans. of Zhurnal Obshchei Khimii (USSR) 1945, v. 15, no. 7/8, p. 678-683.

DESCRIPTORS: *Turpentine, *Raman spectroscopy, Fractionation, Spectrographic analysis, Pine.

(Chemistry--Organic, TT, v. 7, no. 11)

62-10864

I. Pigulevskii, G. V.
II. Ryskal'chuk, A. T.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

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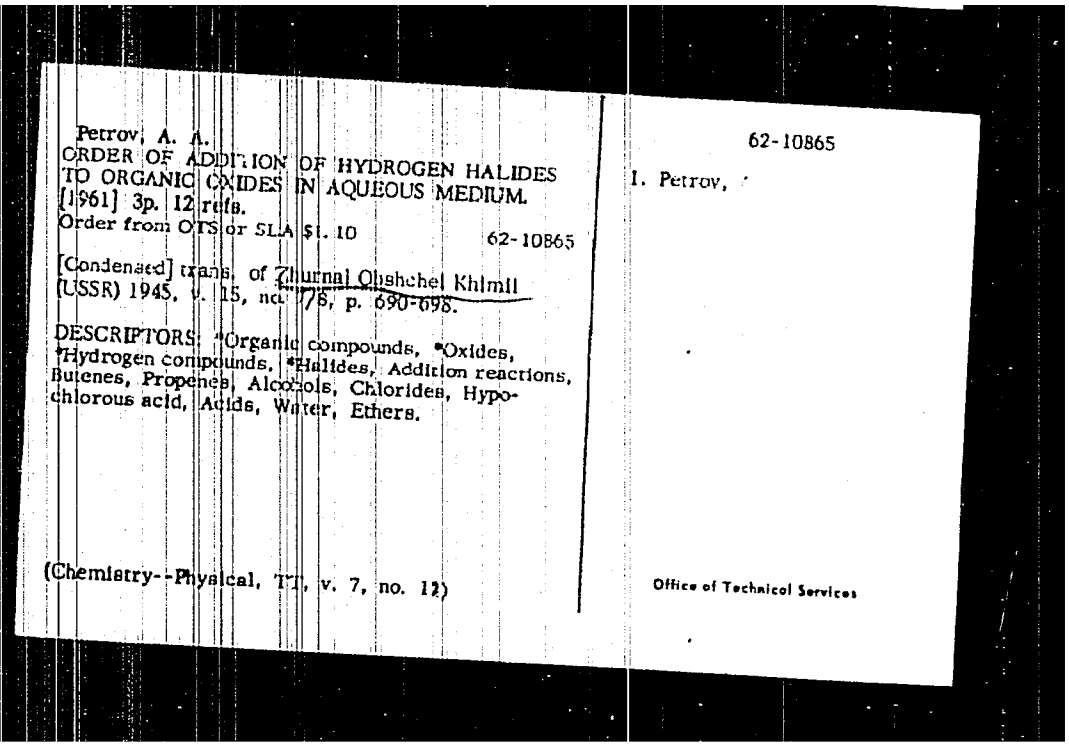

Petrov, A. A.
ORDER OF ADDITION OF HYDROGEN HALIDES TO ORGANIC OXIDES IN AQUEOUS MEDIUM.
[1961] 3p. 12 refs.
Order from OTS or SLA $1.10 62-10865

[Condensed] trans. of Zhurnal Obshchei Khimii (USSR) 1945, v. 15, no. 7/8, p. 690-698.

DESCRIPTORS: *Organic compounds, *Oxides, *Hydrogen compounds, *Halides, Addition reactions, Butenes, Propenes, Alcohols, Chlorides, Hypochlorous acid, Acids, Water, Ethers.

(Chemistry--Physical, TT, v. 7, no. 12)

62-10865

1. Petrov,

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Tsukervanik, I. P.
ALKYLATION OF AROMATIC COMPOUNDS IN THE PRESENCE OF PHOSPHORIC ACID. I. CONDENSATION OF ALCOHOLS WITH AROMATIC HYDROCARBONS AND WITH HALOGEN DERIVATIVES. [1961] 6p. 14 refs.
Order from OTS or SLA $1.10 61-20142

Trans. of Zhurnal Obshchei Khimii (USSR) 1945, v. 15, p. 699-703.

DESCRIPTORS: *Condensation reactions, *Alcohols, *Hydrocarbons, *Halogens, Phosphoric acids, Alkyl radicals, Chemical reactions, Reagents.

It was established that phosphoric acid can be used for alkylation of aromatic hydrocarbons and aromatic halogen derivatives with alcohols. Under optimal reaction conditions yields of up to 80-90 per cent theor.
(Chemistry--Physical, TT, v. 7, no. 8) (over)

61-20142

I. Tsukervanik, I. P.
II. Title: Condensation. . .

201426

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Yatlov, V. S. and Polyakova, E. M.
EQUILIBRIUM IN THE SYSTEMS NH_4F-H_2O AND NH_4HF_2-H_2O. [1963] [9]p. 5 refs.
Order from OTS or SLA $1.10 63-16069

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1945, v. 15, p. 721-728.

DESCRIPTORS: *Ammonium compounds, *Fluorides, *Water, Phase studies, Thermodynamics, Physical properties.

The equilibrium between the liquid and the solid phase in the systems NH_4F-H_2O and NH_4HF_2-H_2O was studied. It has been found that NH_4F forms at -16.8° a hydrate having the composition $NH_4F \cdot H_2O$. In the system NH_4HF_2-H_2O the existence of only two solid phases has been observed of ice and of the anhydrous (Chemistry--Physical, TT, v. 10, no. 7) (over)

63-16069

I. Yatlov, V. S.
II. Polyakova, E. M.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

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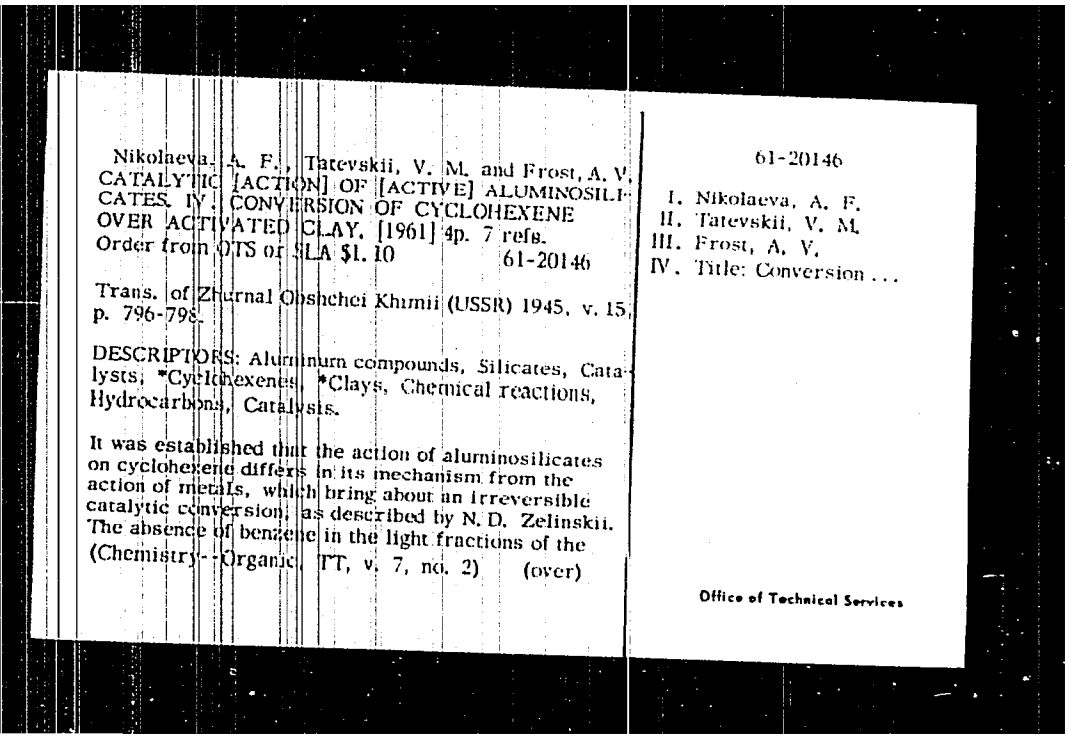

Nikolaeva, A. F., Tatevskii, V. M. and Frost, A. V.
CATALYTIC [ACTION] OF [ACTIVE] ALUMINOSILICATES. IV. CONVERSION OF CYCLOHEXENE OVER ACTIVATED CLAY. [1961] 4p. 7 refs.
Order from OTS or SLA $1.10 61-20146

Trans. of Zhurnal Obshchei Khimii (USSR) 1945, v. 15, p. 796-798.

DESCRIPTORS: Aluminum compounds, Silicates, Catalysts, *Cyclohexenes, *Clays, Chemical reactions, Hydrocarbons, Catalysis.

It was established that the action of aluminosilicates on cyclohexene differs in its mechanism from the action of metals, which bring about an irreversible catalytic conversion, as described by N. D. Zelinskii. The absence of benzene in the light fractions of the

(Chemistry--Organic, TT, v. 7, no. 2) (over)

61-20146

I. Nikolaeva, A. F.
II. Tatevskii, V. M.
III. Frost, A. V.
IV. Title: Conversion . . .

Office of Technical Services

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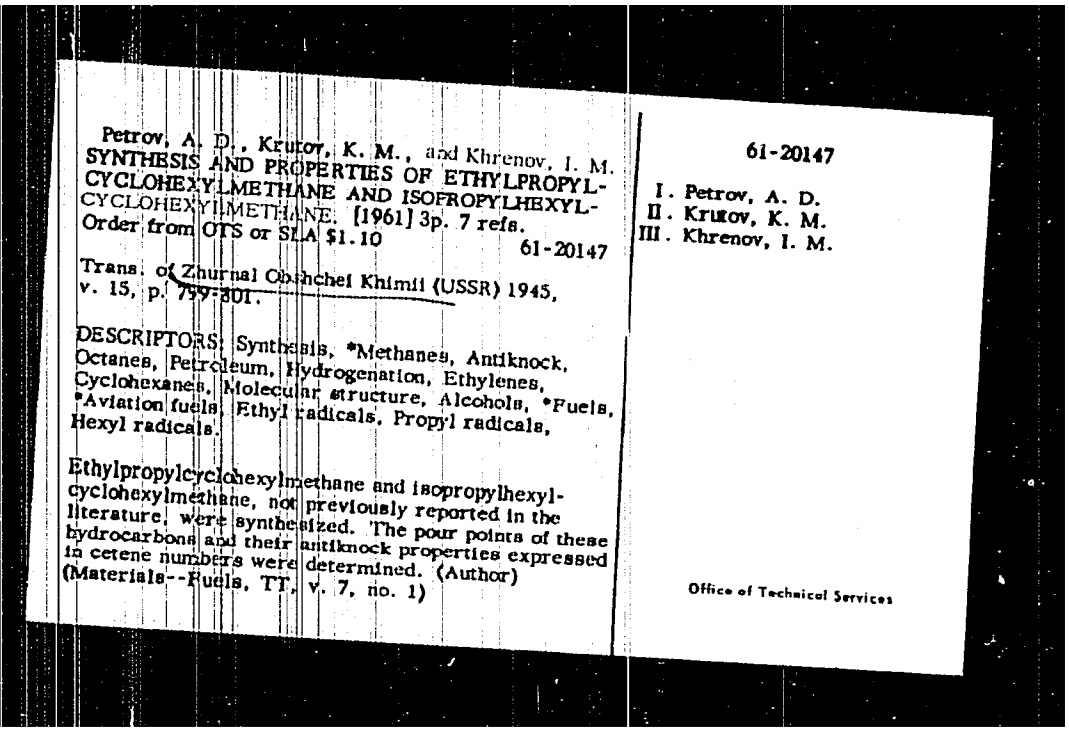

Petrov, A. D., Krutov, K. M., and Khrenov, I. M.
SYNTHESIS AND PROPERTIES OF ETHYLPROPYL-CYCLOHEXYLMETHANE AND ISOFROPYLHEXYL-CYCLOHEXYLMETHANE. [1961] 3p. 7 refs.
Order from OTS or SLA $1.10 61-20147

Trans. of Zhurnal Obshchei Khimii (USSR) 1945, v. 15, p. 799-801.

DESCRIPTORS: Synthesis, *Methanes, Antiknock, Octanes, Petroleum, Hydrogenation, Ethylenes, Cyclohexanes, Molecular structure, Alcohols, *Fuels, *Aviation fuels, Ethyl radicals, Propyl radicals, Hexyl radicals.

Ethylpropylcyclohexylmethane and isopropylhexyl-cyclohexylmethane, not previously reported in the literature, were synthesized. The pour points of these hydrocarbons and their antiknock properties expressed in cetene numbers were determined. (Author)
(Materials--Fuels, TT, v. 7, no. 1)

61-20147

I. Petrov, A. D.
II. Krutov, K. M.
III. Khrenov, I. M.

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

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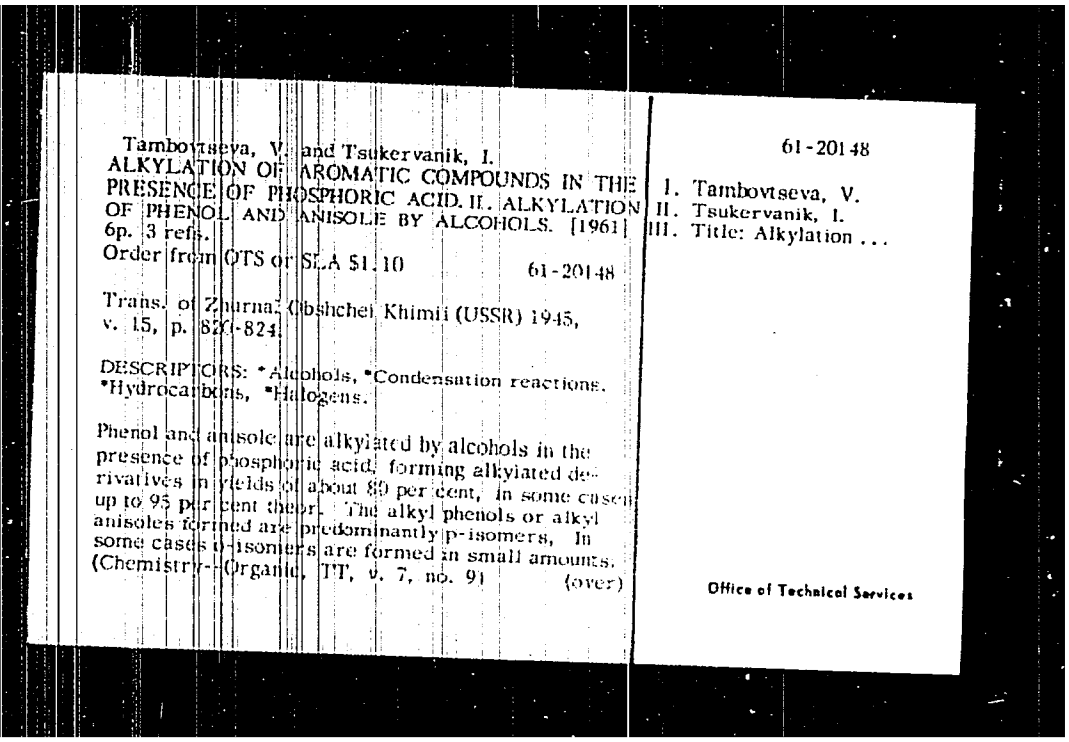

Tambovtseva, V. and Tsukervanik, I.
ALKYLATION OF AROMATIC COMPOUNDS IN THE PRESENCE OF PHOSPHORIC ACID. II. ALKYLATION OF PHENOL AND ANISOLE BY ALCOHOLS. [1961] 6p. 3 refs.
Order from OTS or SLA $1.10 61-20148

Trans. of Zhurnal Obshchei Khimii (USSR) 1945, v. 15, p. 820-824.

DESCRIPTORS: *Alcohols, *Condensation reactions, *Hydrocarbons, *Halogens.

Phenol and anisole are alkylated by alcohols in the presence of phosphoric acid, forming alkylated derivatives in yields of about 80 per cent, in some cases up to 95 per cent theor. The alkyl phenols or alkyl anisoles formed are predominantly p-isomers. In some cases o-isomers are formed in small amounts. (Chemistry--Organic, TT, v. 7, no. 91 (over)

61-20148

I. Tambovtseva, V.
II. Tsukervanik, I.
III. Title: Alkylation . . .

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

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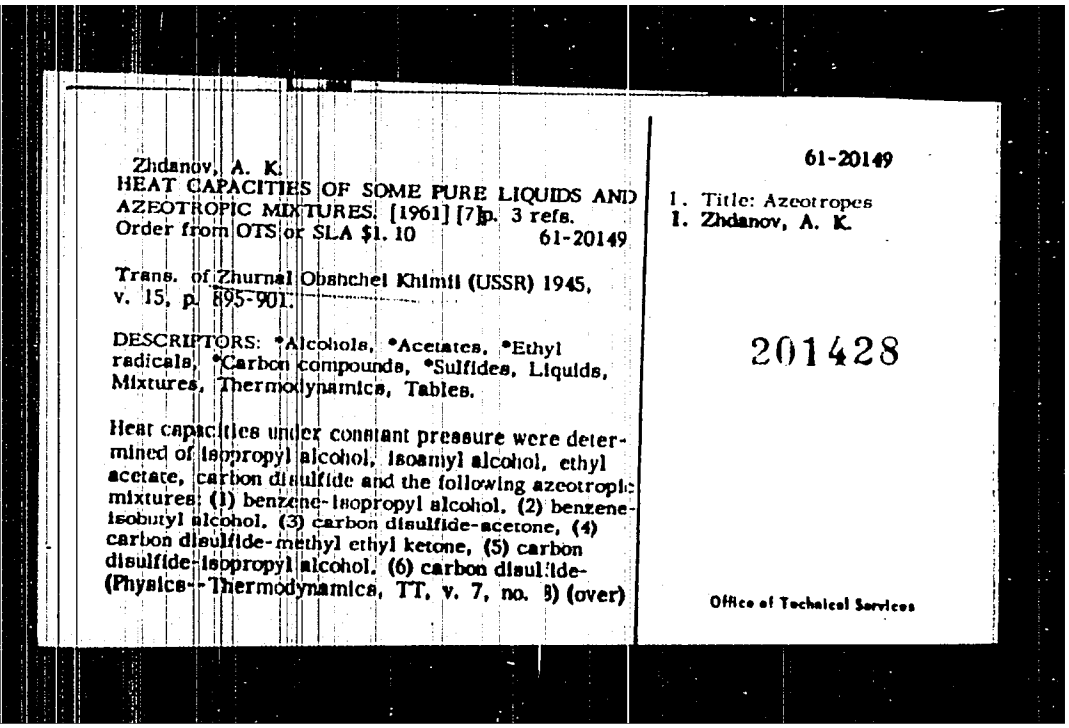


Zhdanov, A. K.
HEAT CAPACITIES OF SOME PURE LIQUIDS AND AZEOTROPIC MIXTURES. [1961] [7]p. 3 refs.
Order from OTS or SLA $1.10 61-20149

Trans. of Zhurnal Obshchei Khimii (USSR) 1945, v. 15, p. 895-901.

DESCRIPTORS: *Alcohols, *Acetates, *Ethyl radicals, *Carbon compounds, *Sulfides, Liquids, Mixtures, Thermodynamics, Tables.

Heat capacities under constant pressure were determined of isopropyl alcohol, isoamyl alcohol, ethyl acetate, carbon disulfide and the following azeotropic mixtures: (1) benzene-isopropyl alcohol, (2) benzene-isobutyl alcohol, (3) carbon disulfide-acetone, (4) carbon disulfide-methyl ethyl ketone, (5) carbon disulfide-isopropyl alcohol, (6) carbon disulfide-
(Physics--Thermodynamics, TT, v. 7, no. 3) (over)

61-20149

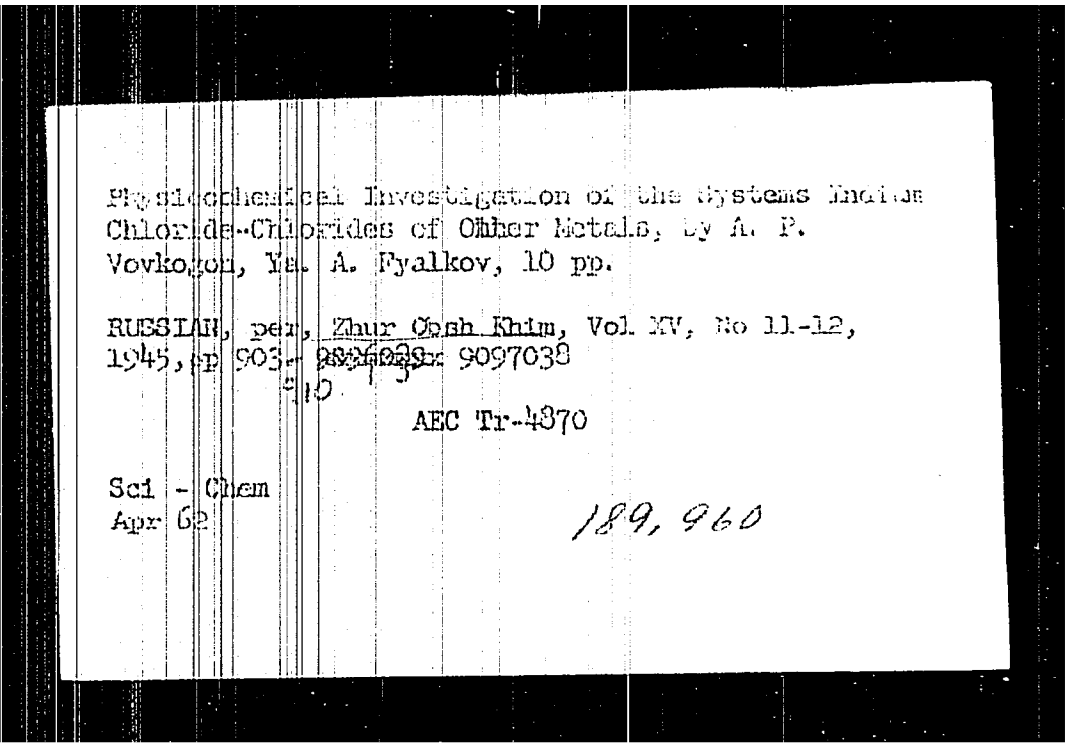
1. Title: Azeotropes
1. Zhdanov, A. K.

201428

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6



Physicochemical Investigation of the Systems Indium Chloride-Chlorides of Other Metals, by A. P. Vovkogon, Ya. A. Fyalkov, 10 pp.

RUSSIAN, per, Zhur Obsh Khim, Vol XV, No 11-12, 1945, pp 903- 9097038

AEC Tr-4870

Sci - Chem
Apr 62

189,960

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Korshak, V. V. and Zamyatina, V. A.
POLYVINYL DERIVATIVES. II. POLYVINYL BUTYL ETHER. [1961] 4p. 11 refs.
Order from OTS or SLA $1.10 61-20112

Condensed trans. of Zhurnal Obshchei Khimii (USSR) 1945, v. 15, p. 947-951.

DESCRIPTORS: *Vinyl radicals, *Polymers, *Butyl radicals, *Ethers, Polymerization, Catalysts.

The polymerization was studied of normal butyl vinyl ether in the presence or absence of sulfur dioxide, as influenced by the following catalysts: iodine, stannous chloride, stannic chloride, aluminum chloride, ferric chloride and boron fluoride. The reaction temperature was varied from -55 to 60°. The polymers obtained were viscous, very tacky liquids, insoluble in alcohol or water, but

(Chemistry--Organic, TT, v. 7, no. 8) (over)

61-20112

I. Korshak, V. V.
II. Zamyatina, V. A.
III. Title: Polyvinyl Butyl. . .

201421

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Petrov, A. A. and Sopov, N. P.
RESEARCH OF CONJUGATED SYSTEMS. XXVI. SYNTHESIS AND PROPERTIES OF 1-CHLORO-1, 3-BUTADIENE. [1961] 8p. 21 refs.
Order from OTS or SLA $1.10 61-20150

Trans. of Zhurnal Obshchei Khimii (USSR) 1945, v. 15, p. 981-987.

DESCRIPTORS: *Chloroprenes, Synthesis, *Alkoxy radicals, Dienes, *Bromine, *Halogens, *Anhydrides, *Sodium compounds, *Hydroxides, *Potassium compounds, Chemical reactions, Butadienes.

1-Chloro-1, 3-butadiene was prepared in pure state for the first time by the action of caustic potash on 1, 4-dichloro-2-butene. The reaction of 1-chloro-1, 3-butadiene to bromine, alkyl hypoiodites and maleic anhydride and its tendency toward spontaneous and
(Chemistry--Organic, TT, v. 7, no. 8) (over)

61-20150

I. Petrov, A. A.
II. Sopov, N. P.
III. Title: Synthesis ...

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Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

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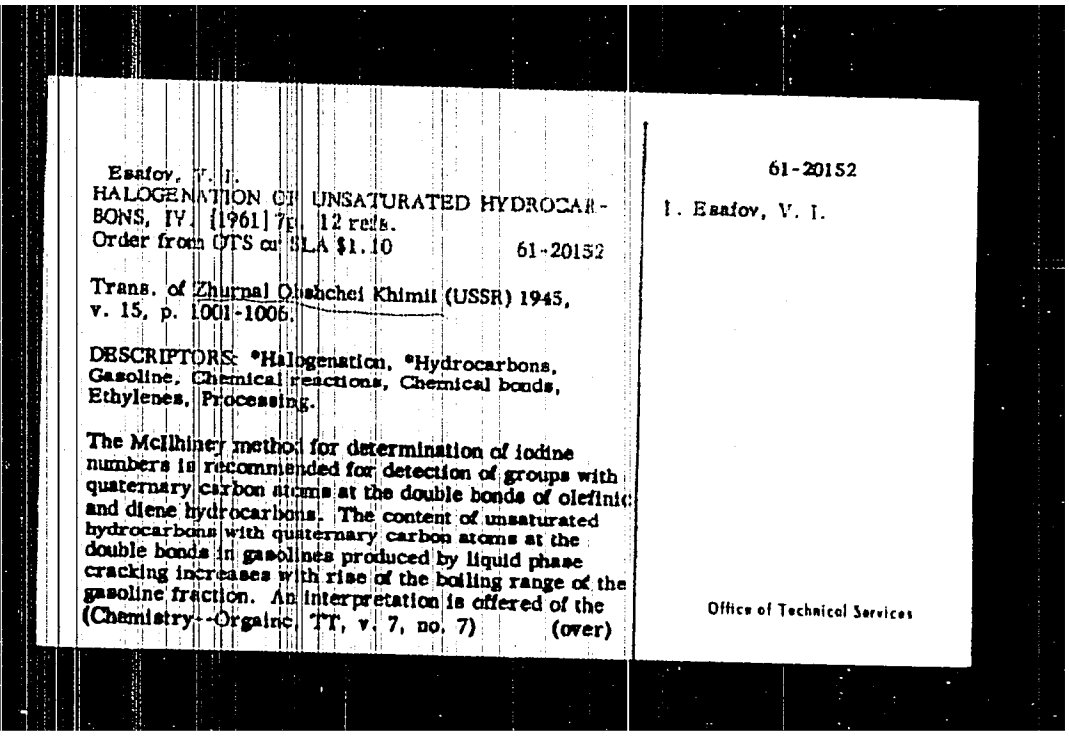

Esafov, V. I.
HALOGENATION OF UNSATURATED HYDROCARBONS, IV. [1961] 7p. 12 refs.
Order from OTS as SLA $1.10 61-20152

Trans. of Zhurnal Obshchei Khimii (USSR) 1945, v. 15, p. 1001-1006.

DESCRIPTORS: *Halogenation, *Hydrocarbons, Gasoline, Chemical reactions, Chemical bonds, Ethylenes, Processing.

The McIlhiney method for determination of iodine numbers is recommended for detection of groups with quaternary carbon atoms at the double bonds of olefinic and diene hydrocarbons. The content of unsaturated hydrocarbons with quaternary carbon atoms at the double bonds in gasolines produced by liquid phase cracking increases with rise of the boiling range of the gasoline fraction. An interpretation is offered of the
(Chemistry--Organic, TT, v. 7, no. 7) (over)

61-20152

I. Esafov, V. I.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Investigation of the Alkaloids of Girgensohnia appositiflora (Pall.) Fenzl. (Fam. Chenopodiaceae), by N. K. Yurashevskiy, N. L. Stepanova.
RUSSIAN, per, Zh Obshch Khim, Vol 16, No 1, 1946, pp 141-144.
ATS RJ-5066

Sci-Chem
July 69

385,477

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Biphenylene Hydrazones of Aldehydes, Ketones, and Quinones, by B. S. Khotinsky, M. Ch. Gluzman.
UNCLASSIFIED

RUSSIAN, per, Zhur Obshch Khim, Vol XVI, No 3, 1946.

Navy Tr 1899/TO-230-T12

Sci - Chemistry
Nov 58

OTS PB 141 454T

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

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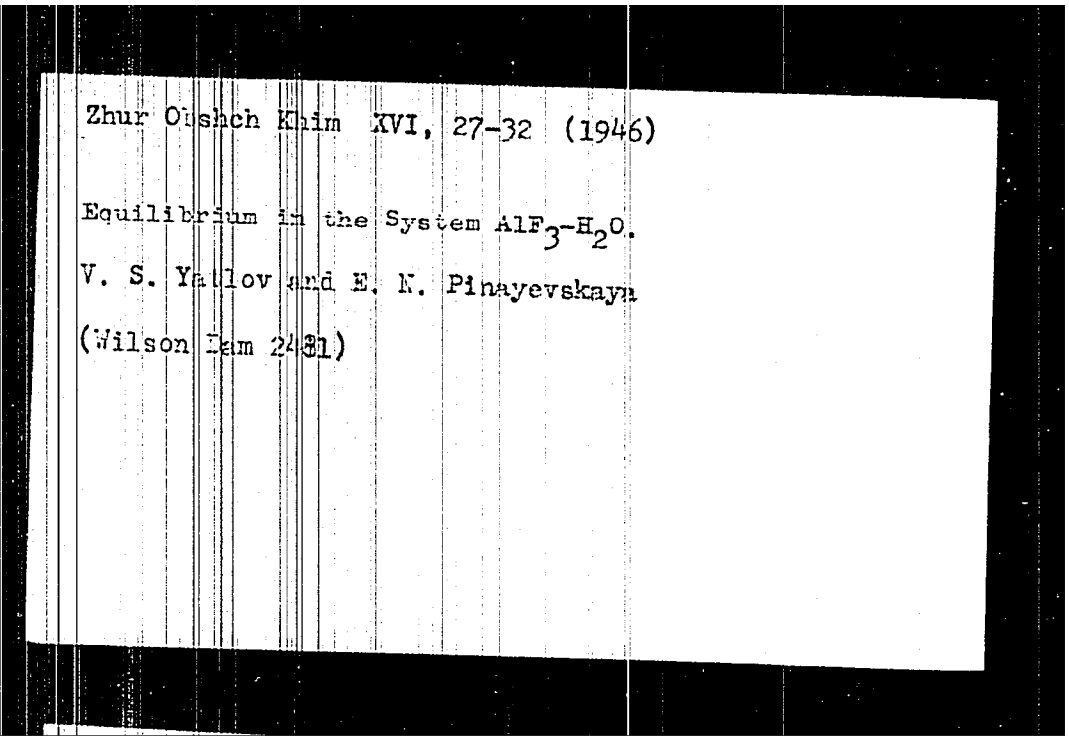


Zhur Obshch Khim XVI, 27-32 (1946)

Equilibrium in the System AlF_3-H_2O.

V. S. Yatlov and E. N. Pinayevskaya

(Wilson Lam 2431)

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Ivanov, K. I., Savinova, V. K., and Mikhailova, E. G.
PEROXIDE COMPOUNDS OF ISOPROPYL ETHER.
I. PHOTOOXIDATION OF ISOPROPYL ETHER AND
THE CHARACTER OF PEROXIDES FORMED. [1961]
5p. 18 refs.
Order from OTS or SLA $1.10 61-20177

Trans. of Zhurnal Obshchei Khimii (USSR) 1946, v. 16, p. 65-70.

DESCRIPTORS: *Propyl ethers; *Peroxides; Hydrogen compounds, Oxidation, Boiling, Oxides, Ultraviolet radiation, Light, Photochemistry, Photochemical reactions.

The action of ultraviolet light accelerates formation of peroxides in autoxidation of isopropyl ether. Autoxidation of isopropyl ether forms three types of peroxides: hydrogen peroxide, a very small amount of a
(Chemistry--Physical) PT, v. 7, no. 2) (over)

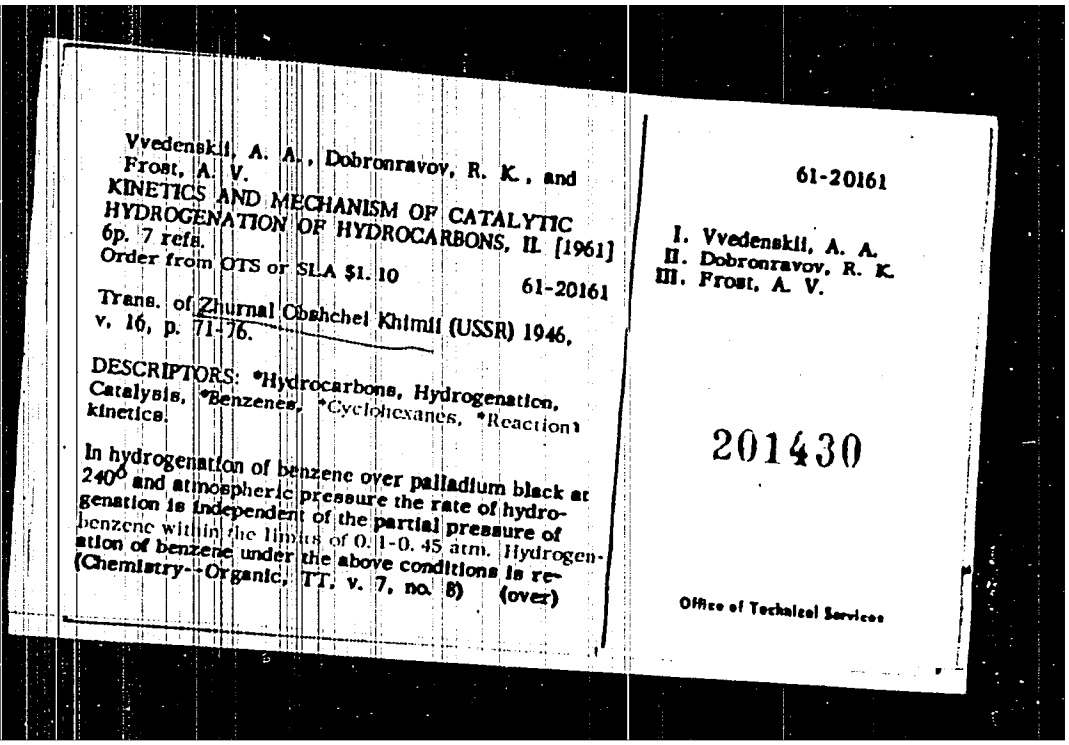
61-20177

I. Ivanov, K. I.
II. Savinova, V. K.
III. Mikhailova, E. G.
IV. Title: Photooxidation . . .

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6



Vvedenskii, A. A., Dobronravov, R. K., and Frost, A. V.
KINETICS AND MECHANISM OF CATALYTIC HYDROGENATION OF HYDROCARBONS, II. [1961]
6p. 7 refs.
Order from OTS or SLA $1.10 61-20161

Trans. of Zhurnal Obshchei Khimii (USSR) 1946, v. 16, p. 71-76.

DESCRIPTORS: *Hydrocarbons, Hydrogenation, Catalysis, *Benzenes, *Cyclohexanes, *Reaction kinetics.

In hydrogenation of benzene over palladium black at 240° and atmospheric pressure the rate of hydrogenation is independent of the partial pressure of benzene within the limits of 0.1-0.45 atm. Hydrogenation of benzene under the above conditions is re- (Chemistry--Organic, TT, v. 7, no. 8) (over)

61-20161

I. Vvedenskii, A. A.
II. Dobronravov, R. K.
III. Frost, A. V.

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Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Polymerization of Simple Methyl Vinyl Ether, by I. P. Losev, E. B. Trostyanskaya, 14 pp.
RUSSIAN, per, Zhurnal Obshchei Khimii, Vol 17, 1947, No 1, pp 122-129.
CFSTI TT-64-18576

323,191

Sci - Chemistry
Apr 67

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Zhur Obshch Khim XVI, 171-8, (1946)

Mutual Solubility in the System $(NH_4)_2HPO_4$-$(NH_4)_2SO_4$-H_2O.

K. S. Chernova and E. V. Korzh (Lab of Inorganic Chem, Voronezh State Pedagogical Inst)

(Wilson Dam 2478

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

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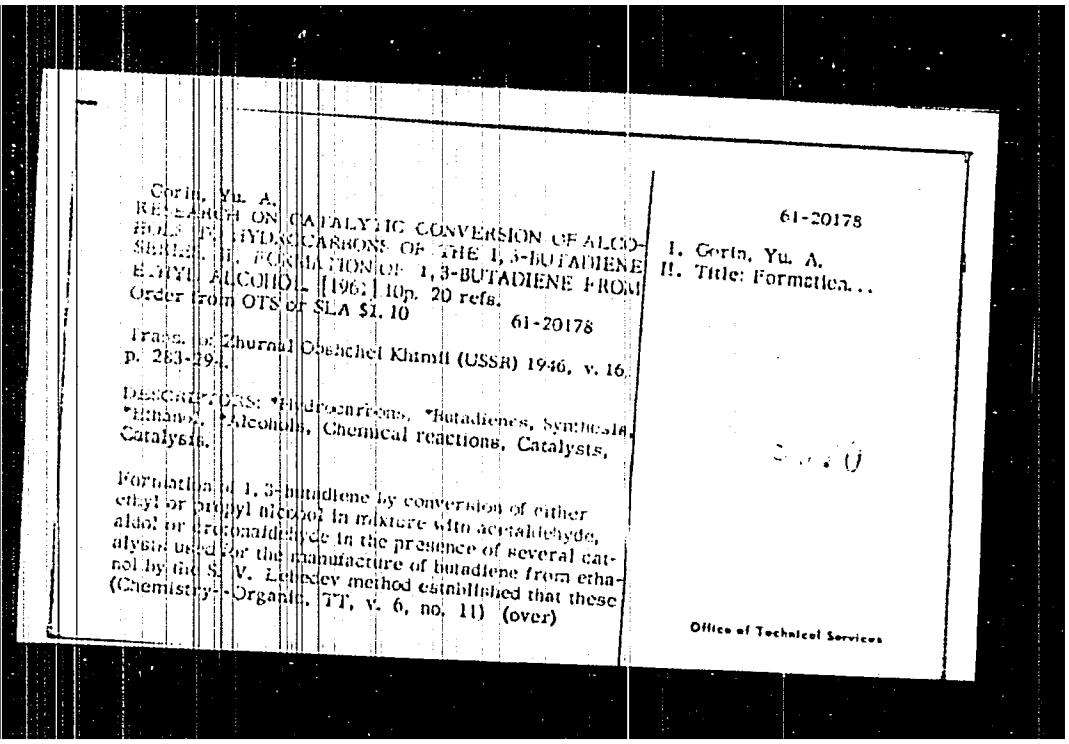


Gorin, Yu. A.
RESEARCH ON CATALYTIC CONVERSION OF ALCOHOLS TO HYDROCARBONS OF THE 1,3-BUTADIENE SERIES. II. FORMATION OF 1,3-BUTADIENE FROM ETHYL ALCOHOL. [1946.] 10p. 20 refs.
Order from OTS or SLA $1.10 61-20178

Trans. of Zhurnal Obshchei Khimii (USSR) 1946, v. 16, p. 283-29[illegible].

DESCRIPTORS: *Hydrocarbons, *Butadienes, Synthesis, *Ethanol, *Alcohols, Chemical reactions, Catalysts, Catalysis.

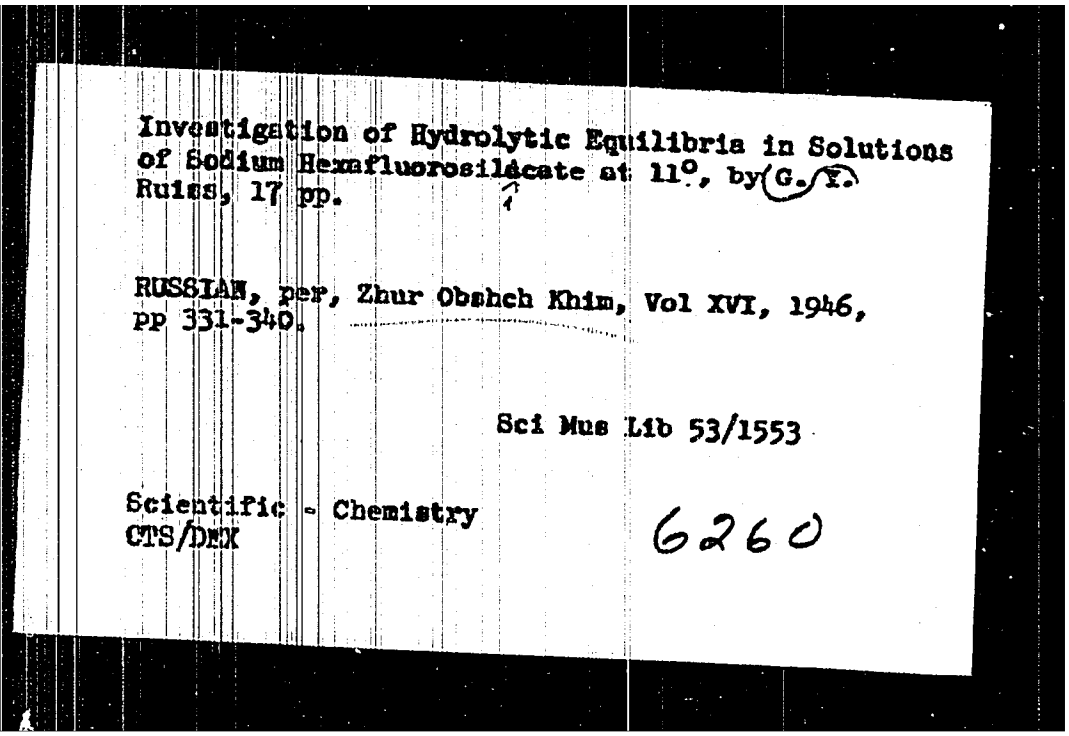
Formation of 1,3-butadiene by conversion of either ethyl or butyl alcohol in mixture with acetaldehyde, aldol or crotonaldehyde in the presence of several catalysts used for the manufacture of butadiene from ethanol by the S. V. Lebedev method established that these (Chemistry--Organic, TT, v. 6, no. 11) (over)

61-20178
I. Gorin, Yu. A.
II. Title: Formation...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6



Investigation of Hydrolytic Equilibria in Solutions of Sodium Hexafluorosilicate at 11°, by G. T. Ruiss, 17 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XVI, 1946, pp 331-340.

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Scientific - Chemistry
CTS/DEX

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

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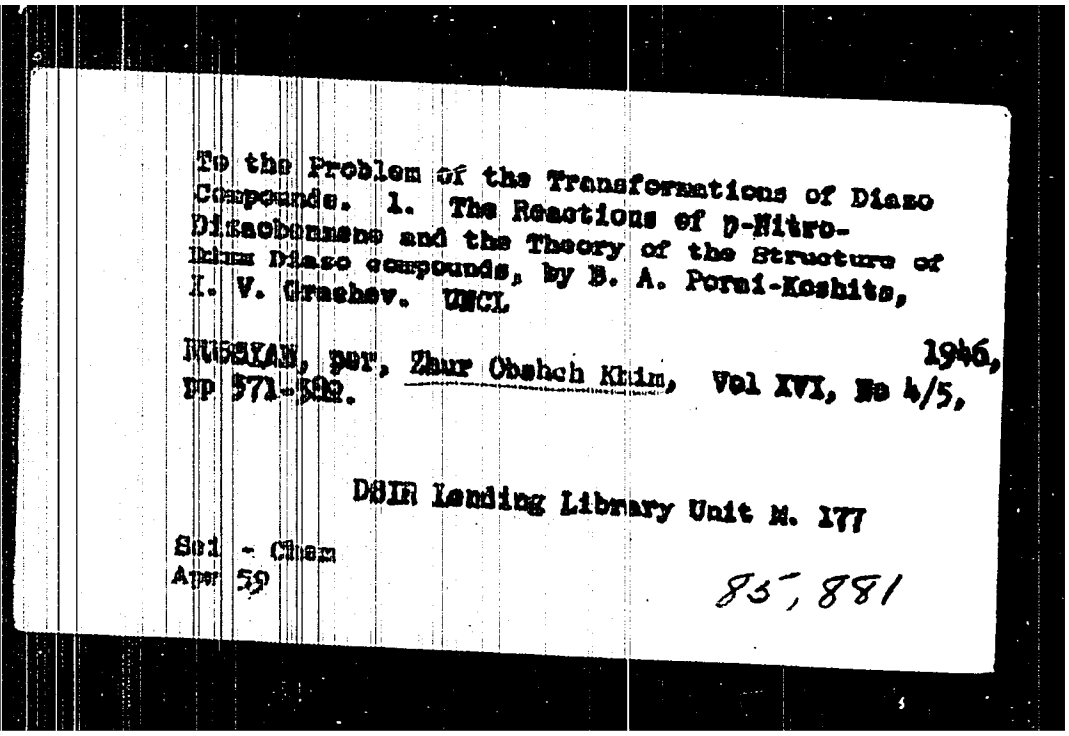

To the Problem of the Transformations of Diazo Compounds. 1. The Reactions of p-Nitro-Diazobenzene and the Theory of the Structure of Diazo compounds, by B. A. Porai-Koshits, I. V. Grashev. UNCL

RUSSIAN, per, Zhur Obshch Khim, Vol XVI, No 4/5, 1946, pp 571-582.

DSIR Lending Library Unit M. 177

Sci - Chem
Apr 59

85, 881

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

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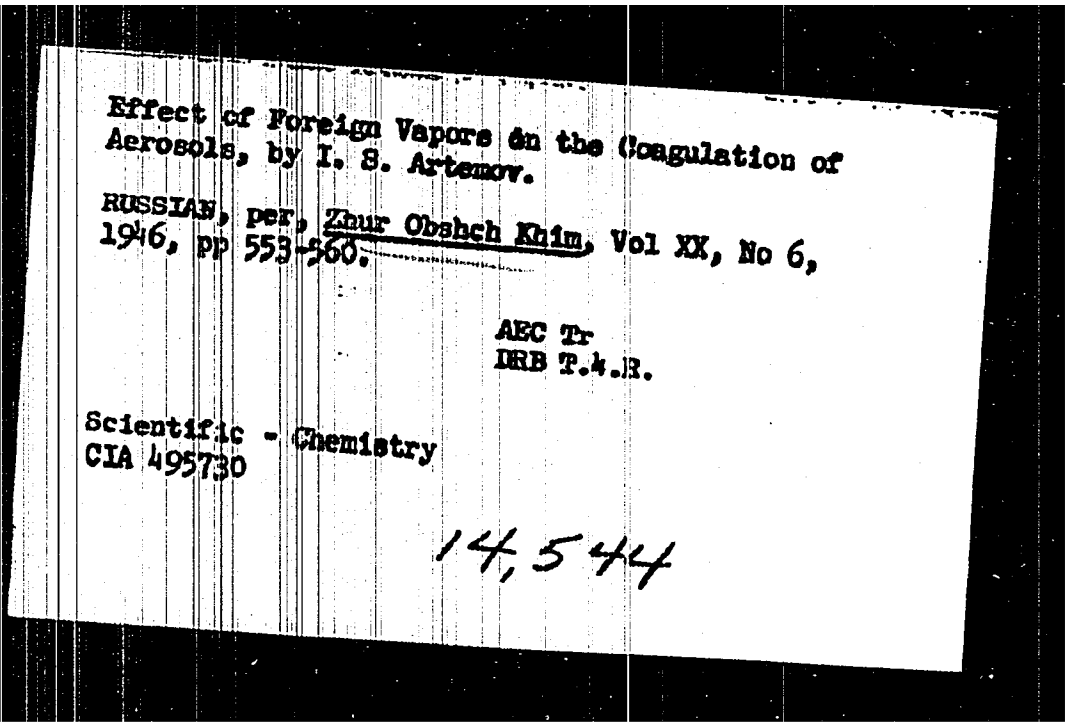

Effect of Foreign Vapors on the Coagulation of Aerosols, by I. S. Artemov.

RUSSIAN, per, Zhur Obshch Khim, Vol XX, No 6, 1946, pp 553-560.

AEC Tr
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Scientific - Chemistry
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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

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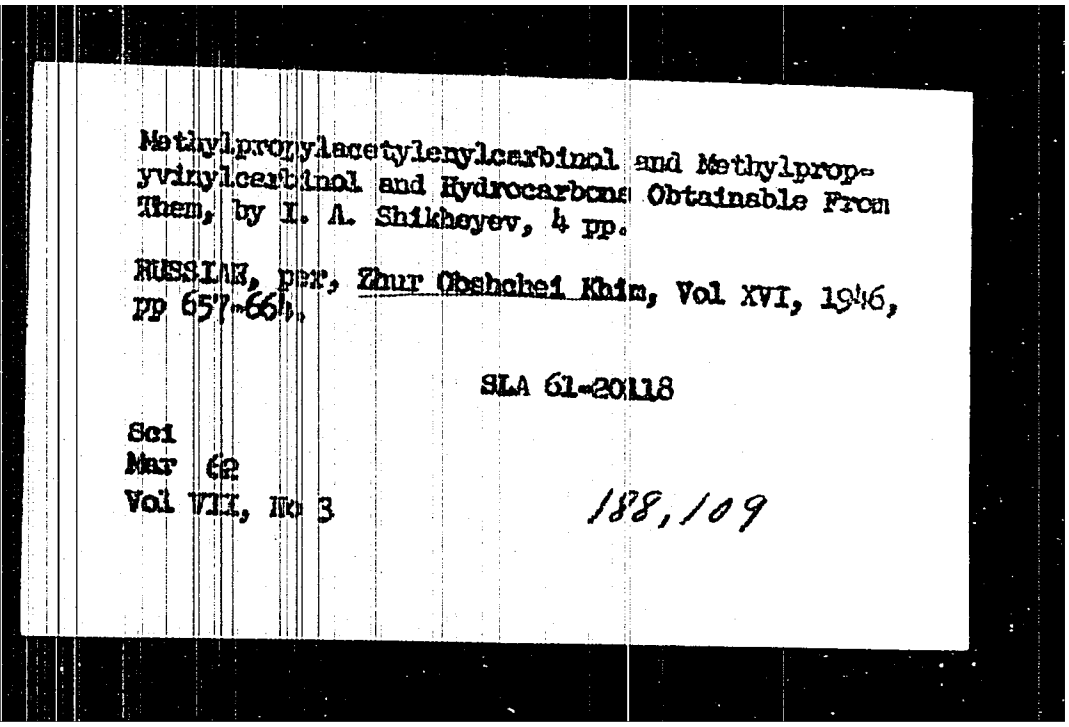


Methylpropylacetylenylcarbinol and Methylpropvinylcarbinol and Hydrocarbons Obtainable From Them, by I. A. Shikhayev, 4 pp.

RUSSIAN, per, Zhur Obshchei Khim, Vol XVI, 1946, pp 657-661.

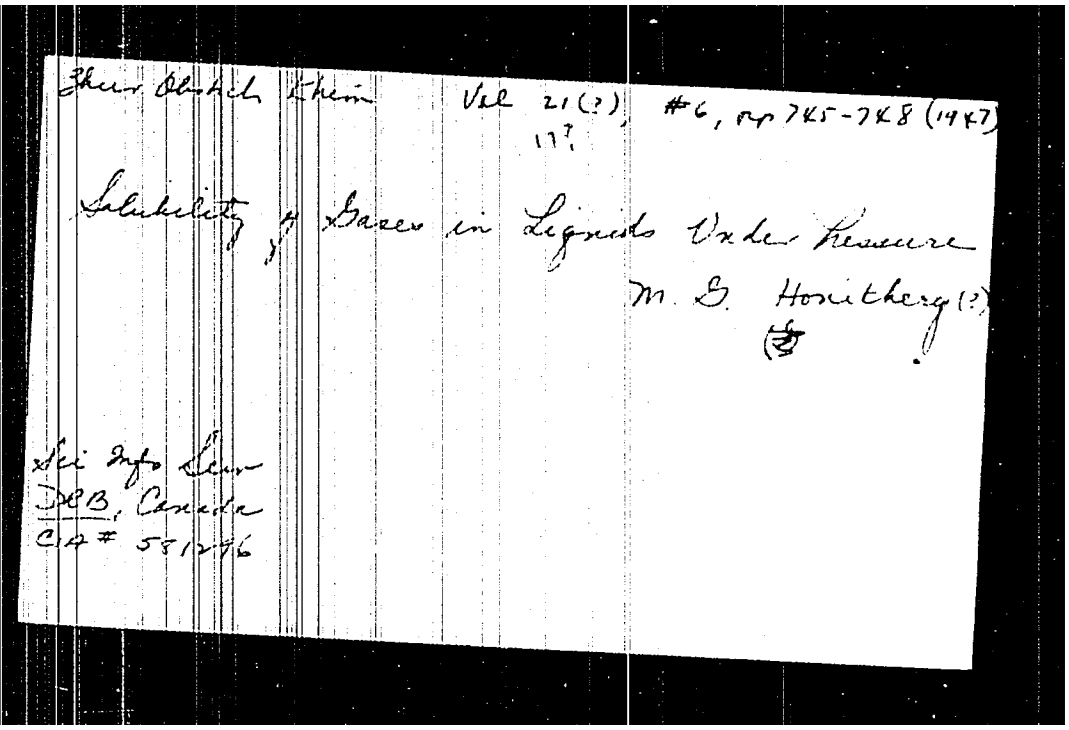
SLA 61-20118

Sci
Mar 62
Vol VII, No 3

188,109

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6


Chem Abstr Chem Vol 21(?) #6, pp 745-748 (1947)
17?
Solubility of Gases in Liquids Under Pressure
M. S. Horitberg (?)
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DRB, Canada
CIA # 581-76

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Synthesis of New Anesthetics. Com II. Esters of α -brcmo-β -furancarboxylic Acid and Amino Alcohols, by Midzhoyan, A. L., 6 pp.

RUSSIAN, mp per, Zhur Obshch Khim, Vol XVI, No4/5, 1946, pp 767-770.

Scientific - Chemistry

Jun 56 CTS

Sci Tr Center RF 3597
36,145

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

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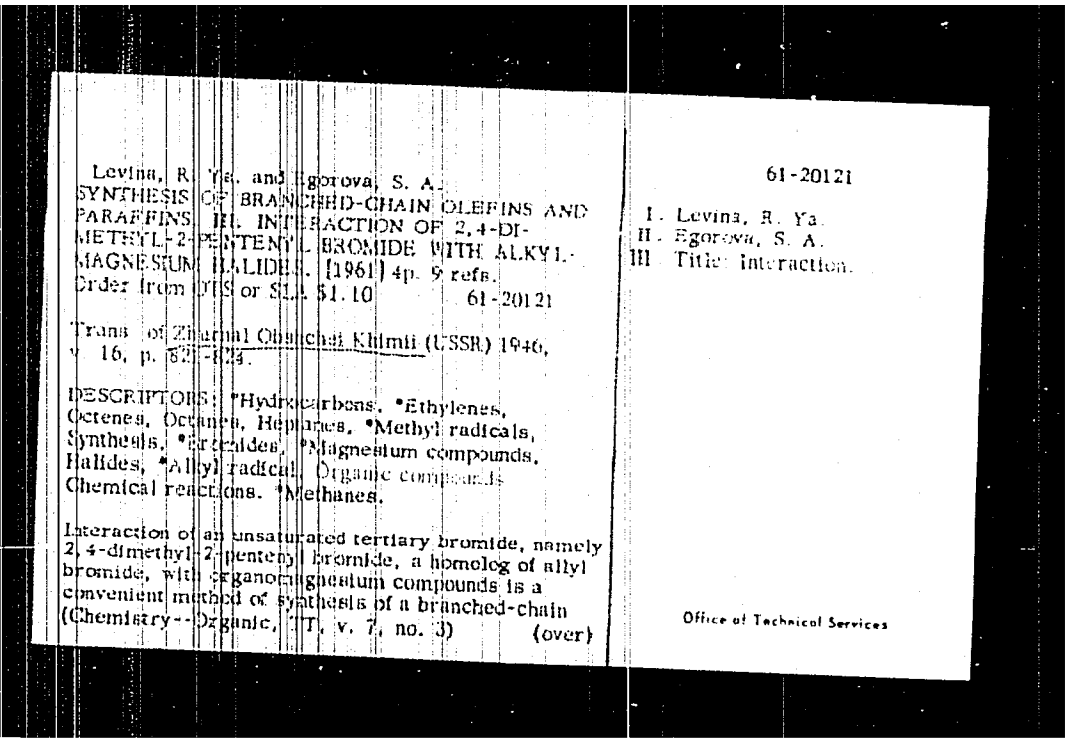

Levina, R. Ya. and Egorova, S. A.
SYNTHESIS OF BRANCHED-CHAIN OLEFINS AND PARAFFINS. III. INTERACTION OF 2,4-DIMETHYL-2-PENTENYL BROMIDE WITH ALKYLMAGNESIUM HALIDES. [1961] 4p. 9 refs.
Order from OTS or SLA $1.10 61-20121

Trans. of Zhurnal Obshchei Khimii (USSR) 1946, v. 16, p. 822-824.

DESCRIPTORS: *Hydrocarbons, *Ethylenes, Octenes, Octanes, Heptanes, *Methyl radicals, Syntheses, *Bromides, *Magnesium compounds, Halides, *Allyl radical, Organic compounds, Chemical reactions, *Methanes.

Interaction of an unsaturated tertiary bromide, namely 2,4-dimethyl-2-pentenyl bromide, a homolog of allyl bromide, with organomagnesium compounds is a convenient method of synthesis of a branched-chain (Chemistry--Organic, JPRS, v. 7, no. 3) (over)

61-20121

I. Levina, R. Ya.
II. Egorova, S. A.
III. Title: Interaction.

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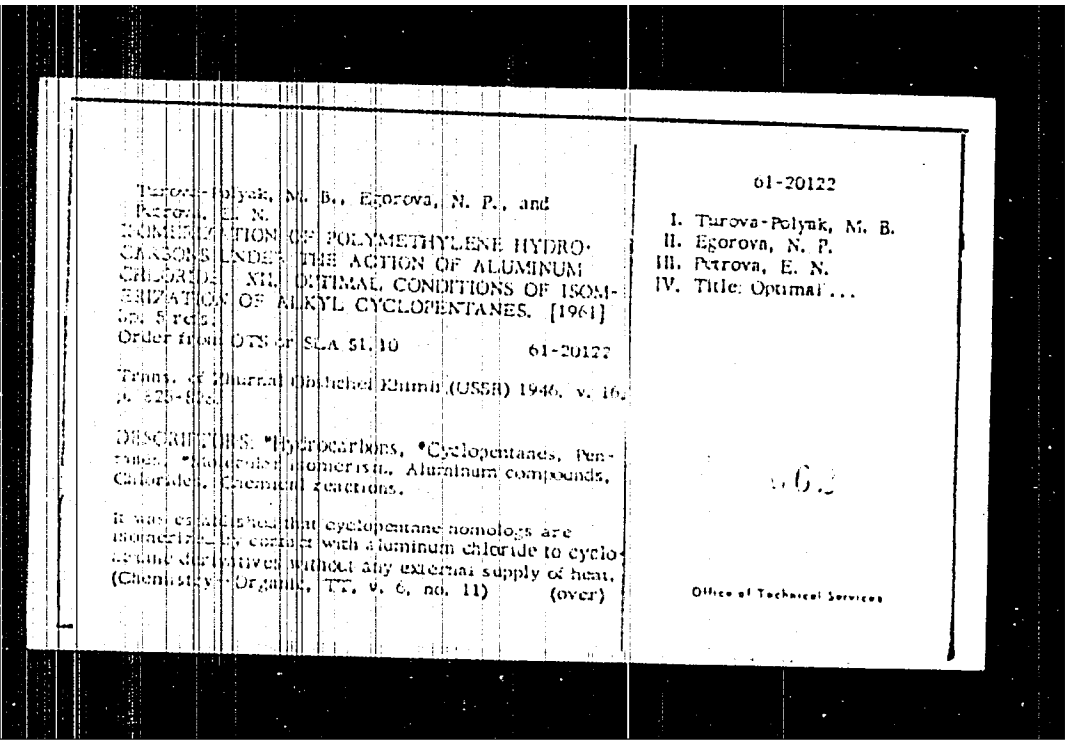

Turova-Polyak, M. B., Egorova, N. P., and Petrova, E. N.
COMBINATION OF POLYMETHYLENE HYDROCARBONS UNDER THE ACTION OF ALUMINUM CHLORIDE. XII. OPTIMAL CONDITIONS OF ISOMERIZATION OF ALKYL CYCLOPENTANES. [1961]
Cov. 5 refs.
Order from OTS or SLA 51.10 61-20122

Trans. of Zhurnal Obshchei Khimii (USSR) 1946, v. 16, p. 625-8[illegible].

DESCRIPTORS: *Hydrocarbons, *Cyclopentanes, Pentanes, *Molecular isomerism, Aluminum compounds, Chlorides, Chemical reactions.

It was established that cyclopentane homologs are isomerized by contact with aluminum chloride to cyclohexane derivatives without any external supply of heat. (Chemistry - Organic, Tr. v. 6, no. 11) (over)

61-20122

I. Turova-Polyak, M. B.
II. Egorova, N. P.
III. Petrova, E. N.
IV. Title: Optimal...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

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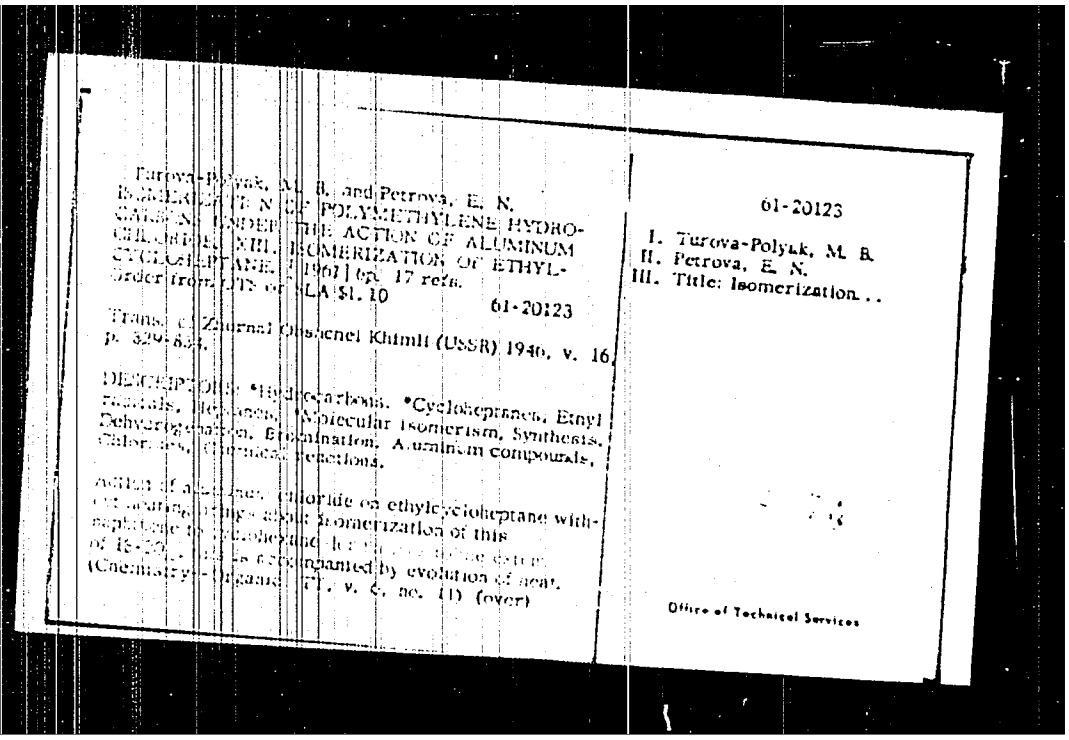

Turova-Polyak, M. B. and Petrova, E. N.
[illegible] OF POLYMETHYLENE HYDRO-
[illegible] UNDER THE ACTION OF ALUMINUM
[illegible] ISOMERIZATION OF ETHYL-
CYCLOHEPTANE. 1961 | 6p. 17 refs.
Order from: [illegible] $1.10

61-20123

Trans. of Zhurnal Obshchei Khimii (USSR) 1946, v. 16,
p. 529-63[illegible].

DESCRIPTORS: *Hydrocarbons, *Cycloheptanes, Ethyl radicals, Reactions, *Molecular isomerism, Synthesis, Dehydrogenation, Bromination, Aluminum compounds, Chlorides, Chemical reactions.

Action of aluminum chloride on ethylcycloheptane with-
out [illegible] isomerization of this
naphthene to [illegible]
of 15-20[illegible] accompanied by evolution of heat.
(Chemistry-Organic) [illegible], v. 6, no. 11) (over)

61-20123

I. Turova-Polyak, M. B.
II. Petrova, E. N.
III. Title: Isomerization . .

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

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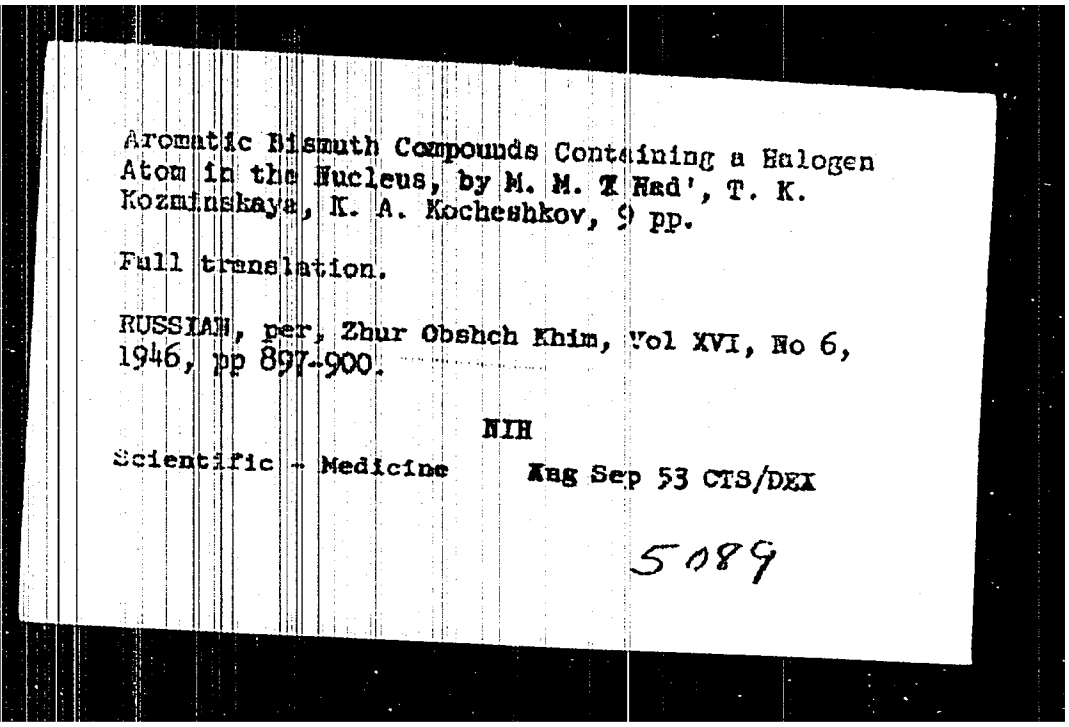


Aromatic Bismuth Compounds Containing a Halogen Atom in the Nucleus, by M. M. T Had', T. K. Kozminskaya, K. A. Kocheshkov, 9 pp.

Full translation.

RUSSIAN, per, Zhur Obshch Khim, Vol XVI, No 6, 1946, pp 897-900.

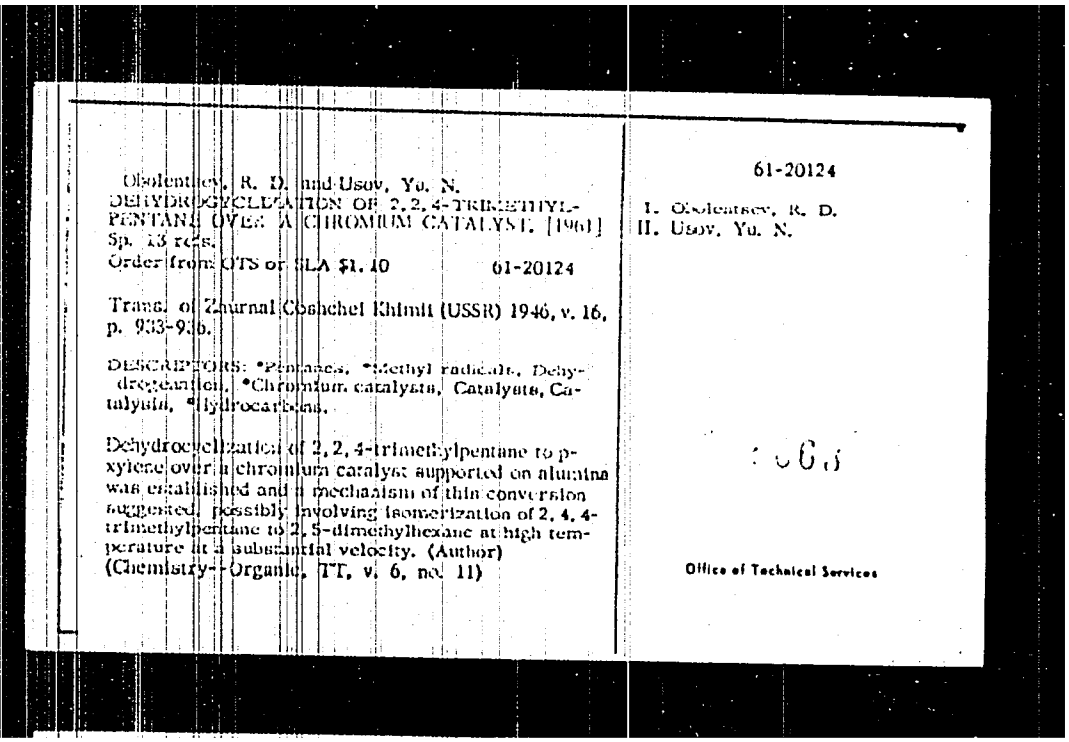
NIH

Scientific - Medicine Aug Sep 53 CTS/DEX

5089

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6



Obolentsev, R. D. and Usov, Yu. N.
DEHYDROCYCLIZATION OF 2, 2, 4-TRIMETHYL-PENTANE OVER A CHROMIUM CATALYST. [1961] Sp. 13 refs.
Order from: OTS or SLA $1.10 61-20124

Transl. of Zhurnal Obshchei Khimii (USSR) 1946, v. 16, p. 933-936.

DESCRIPTORS: *Pentanes, *Methyl radicals, Dehydrogenation, *Chromium catalysts, Catalysts, Catalysis, *Hydrocarbons.

Dehydrocyclization of 2, 2, 4-trimethylpentane to p-xylene over a chromium catalyst supported on alumina was established and a mechanism of this conversion suggested, possibly involving isomerization of 2, 4, 4-trimethylpentane to 2, 5-dimethylhexane at high temperature at a substantial velocity. (Author)
(Chemistry--Organic, TT, v. 6, no. 11)

61-20124

I. Obolentsev, R. D.
II. Usov, Yu. N.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Shostakovskii, M. F. and Gershtein, N. A.
CONVERSIONS OF VINYL ETHERS. I. SYNTHESIS OF ACETALS FROM VINYL ETHERS. [1941] 11p. 35 refs.
Order from: OTS or SLA $1.60 61-20125

Trans. of Zhurnal Obshchei Khimii (USSR) 1946, v. 16, p. 937-950.

DESCRIPTORS: *Acetals, Synthesis. *Ethers, Vinyl radicals. Chemical reactions. Catalysts.

A very simple catalytic method of preparation of acetals from alcohols and vinyl ethers was developed, giving good yields. In the presence of mineral acids this reaction involves intermediate formation of an oxonium complex. In the course of the synthesis of acetals some of their conversions were determined, particularly isomerization and decomposition, the study of which is being continued. (Author)

61-20125

I. Shostakovskii, M. F.
II. Gershtein, N. A.
III. Title: Synthesis...

TT-61-20424

1064

(Chemistry--Organic, TT, v. 6, no. 11)
Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Peroxide Compounds of Isopropyl Ether. Part II. The Heavy Peroxide. Part III. The Light Peroxide of Isopropyl Ether, by K. I. Ivanov, 26 pp.

RUSSIAN, per, Zhur. Obshchei Khim., Vol XVI, 1946, pp 1003-1019.

SLA Tr R-1176

Sci

Jun 58

65, 911

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Spryskov, A. A.
EEN STUDIE OVER DE SULFONERINGSREACTIE. IV. METHODE VOOR DE SULFONERING VAN NAFTALEEN (A Study of the Sulfonation Reaction. IV. Method for the Sulfonation of Naphthalene) tr. by G. J. M. Fritschy. 8p. 14 refs. MTWL: 115. (text in Dutch).
Order from OTS or ETC $1.55 61-17740

Trans. of Zhurnal Obshchei Khimii (USSR) 1946, v. 16, p. 1060-1063.

DESCRIPTORS: *Naphthalenes, *Sulfonic acids, Sulfuric acid, Vapors.

61-17740

I. Spryskov, A. A.
II. MTWL-115
III. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Relation Between the Structure and Bacteriostatic Activity of Sylfanilamide Compounds, by Z. V. Pushkareva, Z. Yu. Kokoshko, 16 pp.

RUSSIAN, mo per, Zhur Obshch Khim, Vol XVI, No 8, 1946, pp 1269-1278.

Sci Tr Center RT 3596

36, 141

Scientific - Chemistry

Jun 56 CTS

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Investigation of the Alkaloids in Trachelanthus Korolkovi. III. The Structure of Trachelanthamidine -- the Amino Alcohol Formed in the Hydrolysis of Trachelanthamine, by G. P. Men'shikov, 10 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XVI, No 8, 1946, pp 1311-1316.

Sci Tr Center RT 3116

Scientific - Chemistry 31,047

Feb 56

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

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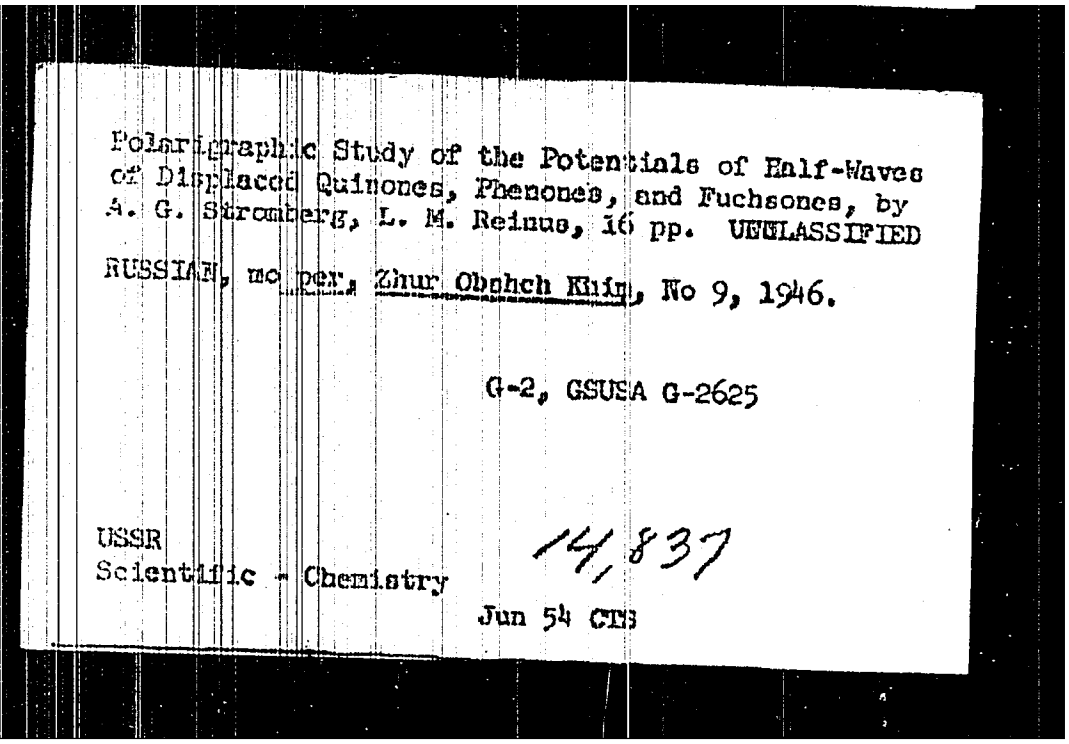

Polarographic Study of the Potentials of Half-Waves of Displaced Quinones, Phenones, and Fuchsones, by A. G. Stromberg, L. M. Reinus, 16 pp. UNCLASSIFIED

RUSSIAN, no per, Zhur Obshch Khim, No 9, 1946.

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USSR
Scientific - Chemistry

14,837

Jun 54 CIS

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Chlorine and Hydrogen Explosion Temperatures and Limits in Hydrogen Chloride, by T. I. Hunin, V. I. Serdyukov, 12 pp.

RUSSIAN, per, Zhur Obshchey Khim, Vol XVI, No 9, 1946, pp 1421-1430. 9567409

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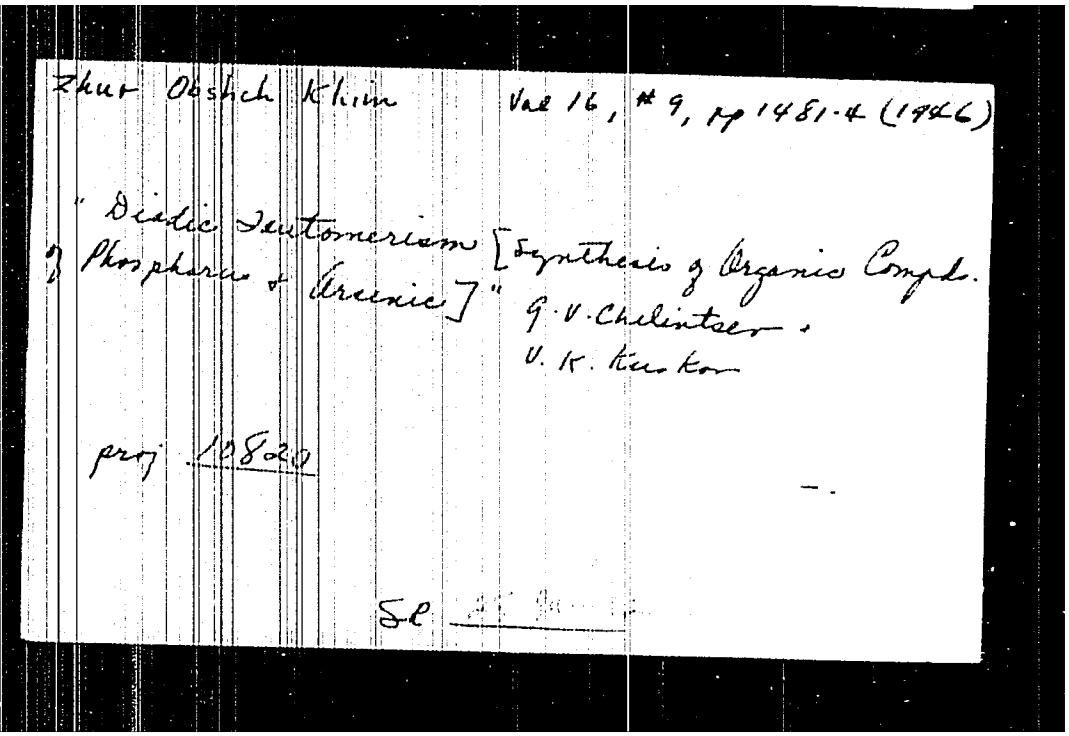
Sci - Chem
Jan 63

219,979

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6



Zhur Obshch Khim Vol 16, # 9, pp 1481-4 (1946)

"Diadic Isotomerism [Synthesis of Organic Compd. of Phosphorus & Arsenic]" G. V. Chelintsev, V. K. Kirsanov

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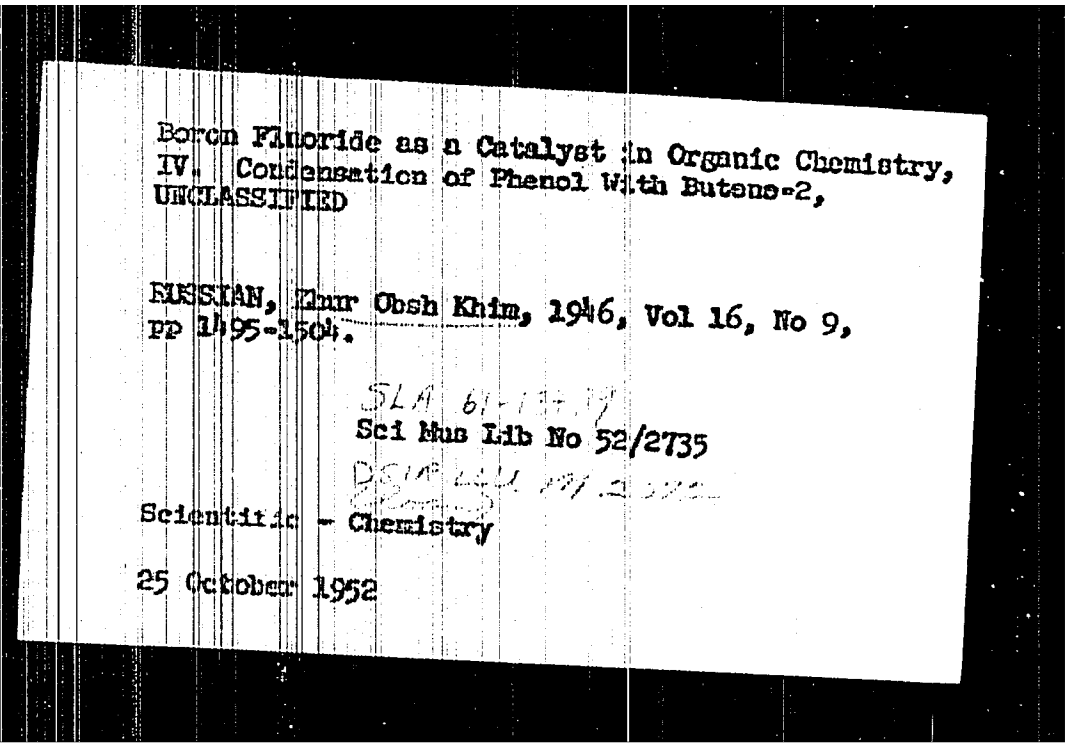
APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6



Boron Fluoride as a Catalyst in Organic Chemistry, IV. Condensation of Phenol With Butene-2, UNCLASSIFIED

RUSSIAN, Zhur Obsh Khim, 1946, Vol 16, No 9, pp 1495-1504.

SLA 61-174.17

Sci Mus Lib No 52/2735

Scientific - Chemistry

25 October 1952

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Investigation of Various Types of Peroxides as Initiators of Emulsive Polymerization, by T. I. Yurzhenko, G. N. Gromova, V. B. Khaytser, 34 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol. XVI, No 9, 1946, pp 1505-1520.

SLA 59-15923

Sci
Dec 59
Vol 2, No 5

103784

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Savedov, V. P.
ON OXYHALIDES OF LEAD. [1963] 8p. 1 ref.
Order from OTS or SLA $1.10 63-18359

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1946, v. 16, p. 1361-1364.

DESCRIPTORS: [a]Lead compounds, [b]Oxyhalides, Oxychlorides, Oxybromides, Iodides, Mixtures, Chemical bonds, Crystal structure.

The data of various investigators, where numerous lead oxyhalides are considered as separated chemical compounds, evoked doubts as to the correctness of conclusions of some of the authors. The oxyhalides of lead of different composition which were obtained in the present study strengthened these doubts. Data concerning the exchange in the systems $PbBr_2$ - NH_4OH and $2\,PbO \cdot H_2O$ - KBr converted these doubts into a certainty. (Chemistry--Inorganic, TT, v. 10, no. 9) (over)

63-18359

1. Savedov, V. P.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Maslianskii, G. N. and Berlin, T. S.
CONVERSIONS OF HYDROCARBONS ON ALUMINA-SILICA CATALYSTS. I. CONVERSION OF CYCLOHEXANE. [1963] [15p] 18refs
Order from CTS, SLA or ETC $1.60 TT-63-20804

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1946, v. 16, p. 1643-1653.

DESCRIPTORS: *Hydroforming (Chemical), *Benzenes, Benzene derivates, Synthesis (Chemistry), *Cyclohexanes, Dehydrogenation, *Alumina-silica catalysts, *Fuels, Production.

(Chemistry--Organic, TT, v. 11, no. 3)

TT-63-20804

I. Maslianskii, G. N.
II. Berlin, T. S.
III. Title: Conversion...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Domnin, N. A.
INVESTIGATIONS IN THE FIELD OF UNSATURATED CYCLIC HYDROCARBONS AND THEIR HALOGEN DERIVATIVES. VII. CONVERSION OF HALOGEN DERIVATIVES OF CYCLOHEXANE INTO AROMATIC DERIVATIVES. [1963] [13]p. 4 refs.
Order from OTS or SLA $1.60 63-14826

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1946, v. 16, no. 10, p. 1729-1736.

DESCRIPTORS: *Cyclohexane derivatives, Halides, *Bromides, Cyclohexanes, *Benzenes, *Cyclohexenes, *Cyclohexadienes, Synthesis (Chemistry), Bromine, Quinolines, Alcohols, Salts.

It is shown that (1) three products are formed in the process of combining molecular bromine with 1, 2-dibromocyclohexene-1, namely: 1, 1, 2, 2-tetra-
(Chemistry--Organic, TT, v. 10, no. 7) (over)

63-14826

I. Domnin, N. A.
II. Title: Conversion ...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Synthesis of Ethylene Chlorohydrin. II.
Temperature Coefficient of the Rate of the Gomberg
Reaction, by E. A. Shilov, N. P. Kanyayev.

RUSSIAN, per, Zhur Obshch Khim, Vol XVI, 1946,
pp 1871-1872.

SLA-17213
DSIR LLU M. 1386

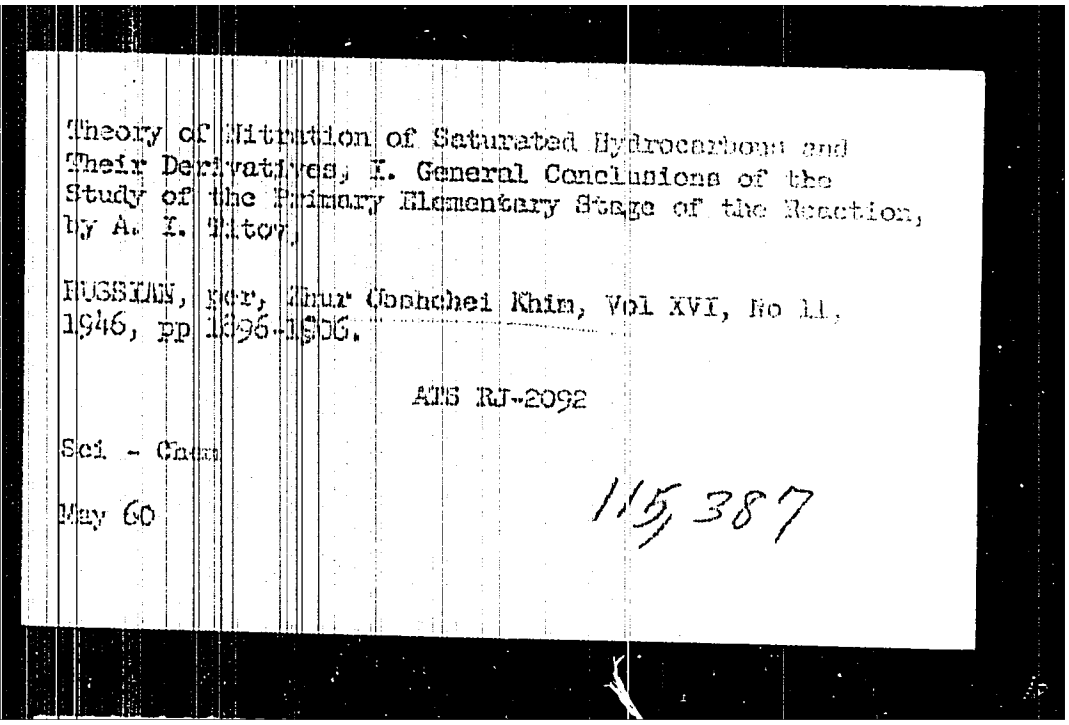
Sci - Chem

170, 762

Oct 61

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6



Theory of Nitration of Saturated Hydrocarbons and Their Derivatives, I. General Conclusions of the Study of the Primary Elementary Stage of the Reaction, by A. I. Titov.

RUSSIAN, per, Zhur Obshchei Khim, Vol XVI, No 11, 1946, pp 1896-1906.

AMS RJ-2092

Sci - Chem

May 60

115 387

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Sodium Hexametaphosphate as an Inhibitor of Corrosion of Iron in Salt Solutions, by E. I. Gurovich, I. V. Krotov.
RUSSIAN, per. Zh. Obshch. Khim, Vol 16, No 12, 1946, pp 1951-1960.
NLL 5828.4F (11865)

Sci - Chem
Sept. 67

340,362

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Mel'nikov, N. N.
INVESTIGATIONS IN THE FIELD OF ORGANIC MERCURY COMPOUNDS. VI. CONCERNING SYNTHESIS OF DIALKYL-MERCURY. [1963] 9p. 12 refs.
Order from OTS or SLA $1.10 63-14292

Trans. of Zhurnal Obshchei Khimii (USSR) 1946, v. 16, no. 12, p. 2065-2071.

DESCRIPTORS: *Metalorganic compounds, *Mercury compounds, *Alkyl radicals, Synthesis (Chemistry), Bromides, Sodium compounds, Mercury alloys.

It was shown that completely metalorganic compounds of mercury are obtained in good yield by reaction of alkyl bromide with sodium amalgam. It was established that the content of sodium in the amalgam employed for the synthesis of dialkylmercury from alkyl
(Chemistry--Organic, TT, v. 10, no. 5) (over)

63-14292

I. Mel'nikov, N. N.
II. Title: Concerning . . .

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Investigation of the Sulphonation Reaction.
V. Conditions for Irreversibility of the Sulphonation Reaction, by A. A. Spryskov.
UNCL

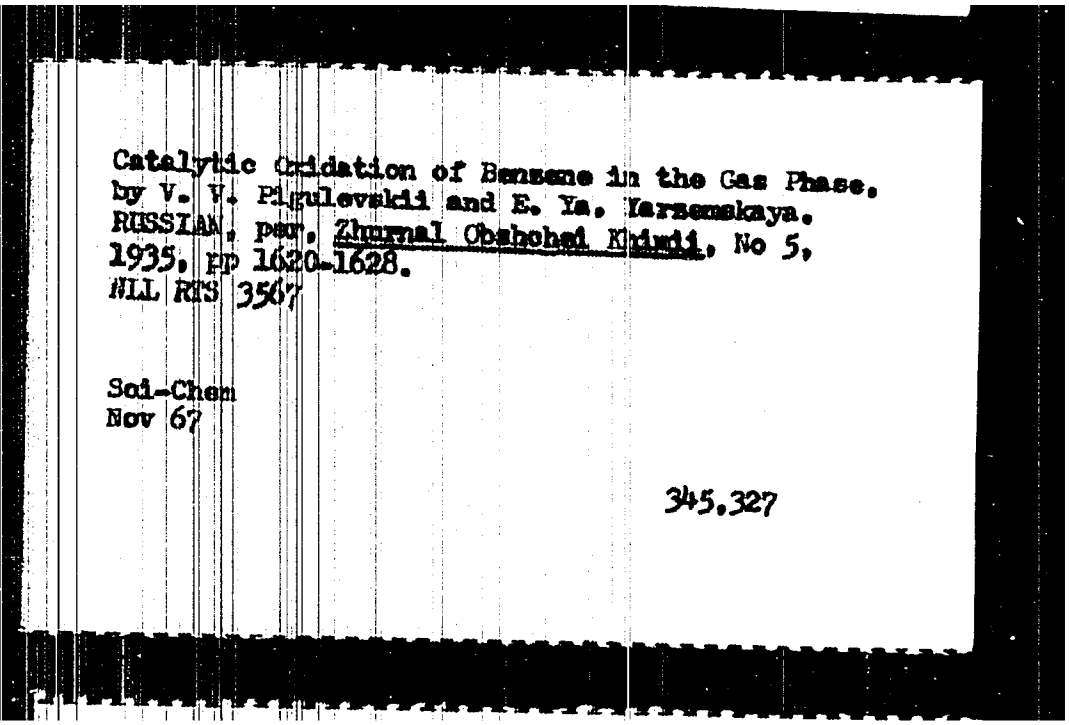
RUSSIAN, per, Zhur Obshch Khim, Vol XVI, 1946, pp 2126-2131.

DSIR LIB (Lon) M.412
SLA 50-2,48
94, 872

Sci - Chem
Aug 59

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6



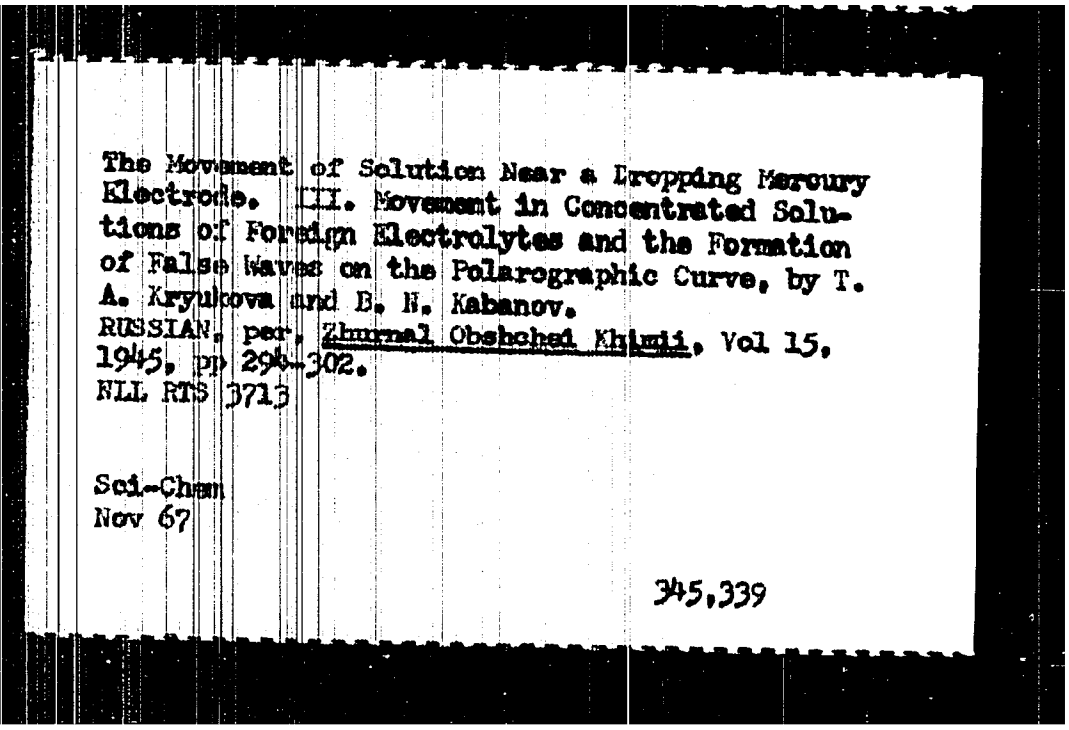
Catalytic Oxidation of Benzene in the Gas Phase.
by V. V. Pigulevskii and E. Ya. Yarzemskaya.
RUSSIAN, per. Zhurnal Obshchei Khimii, No 5,
1935, pp 1620-1628.
NLL RTS 3507

Sci-Chem
Nov 67

345.327

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6



The Movement of Solution Near a Dropping Mercury Electrode. III. Movement in Concentrated Solutions of Foreign Electrolytes and the Formation of False Waves on the Polarographic Curve, by T. A. Kryukova and B. N. Kabanov.
RUSSIAN, per. Zhurnal Obshchod Khimii, Vol 15, 1945, pp 296-302.
NLL RTS 3713

Sci-Chem
Nov 67

345,339

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Determination of Active Hydrogen With Grignard's Reagent in an Atmosphere of Carbon Dioxide, Part IV, by A. P.Terent'ev.

Full translation.

RUSSIAN, per, Zhur Obshch Khim, Vol XVII, 1947, pp 100-104.

AEC Tr 1575

Scientific - Chemistry

May 53 CTS

2102

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

The Extraction of Iron Chloride From Hydrochloric Acid Solutions by Means of Organic Solvents, by V. I. Kuznetsov.

Full translation.

RUSSIAN, per, Zhur Obshch Khim, Vol XVII, No 2, USSR, 1947, pp 175-180.

Sci Tr Cent KT 470

AEC Tr 1283

Scientific - Chemistry

Jun 52 CTS DEX

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Preparation of Sulfur Monofluorids and Its Properties, by L. M. Dubnikov, N. I. ZORIN.

RUSSIAN, no per, Zhur Obshch Khim, Vol XVII, No 2, 1947, pp 185 - 192.

AEC Tr 1087
OTS 63-14408

Sci - Chem

Dec 51 CTS

65

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Zhur Obsh Khim Vol 17 No 2 193-7 1947

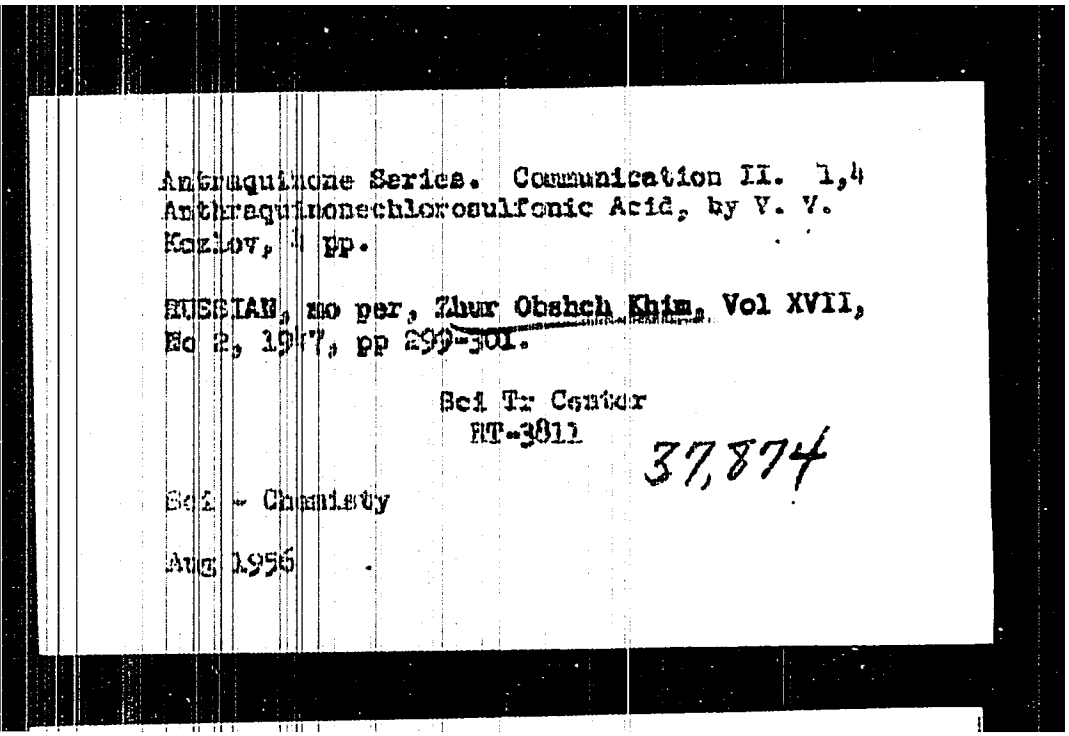
Polotskiy, I. G. and Filippov, Ts S.

The mechanism of the depolarizing action of ultrasonic waves.

Avail at BNL AECtr 472 29 June 5,

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6



Anthraquinone Series. Communication II. 1,4 Anthraquinonechlorosulfonic Acid, by V. V. Kozlov, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XVII, No 2, 1947, pp 299-301.

Bel Tr Center
FT-3811

37,874

Sci - Chemistry

Aug 1956

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Investigation of the Alkaloids of Trachelanthus Korolkovi. IV. The Structure of Trachelanthamine, by G. P. Men'shikov, 7 6 pp.

RUSSIAN, f no per, Zhur Obshch Khim, Vol XVII, No 2, 1947, pp 343-346.

Sci Tr Center RT-2814

29,465

Scientific -- Chemistry
Dec 55 CTS/DEK

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

ZHUR OBSHCH KHIM VOL XVII, No 3 Mar 1947

4 pp

"Ascorbic Acid, Its Preparation and Properties: III, The Acetonization of Sorbose"

Ya. M. Slobodin

Available at Brookhaven
See Guide to Russ Sci Per Lit,
Vol, 1, No 7, P. 53

15T74

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Blockade of High Molecular Iron Compounds by Means of Phosphates and other Complex Forming Agents. XI. The Role of Phosphates in Oxidation Process, by A. M. Malkov, 13 p.

RUSSIAN, per, Zhur Obshchey Khimii, 1947, Vol XVII, No 3, pp 436-442.

SLA 59-15924

Sci
Dec 59
Vol 2, No 6

103,795

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

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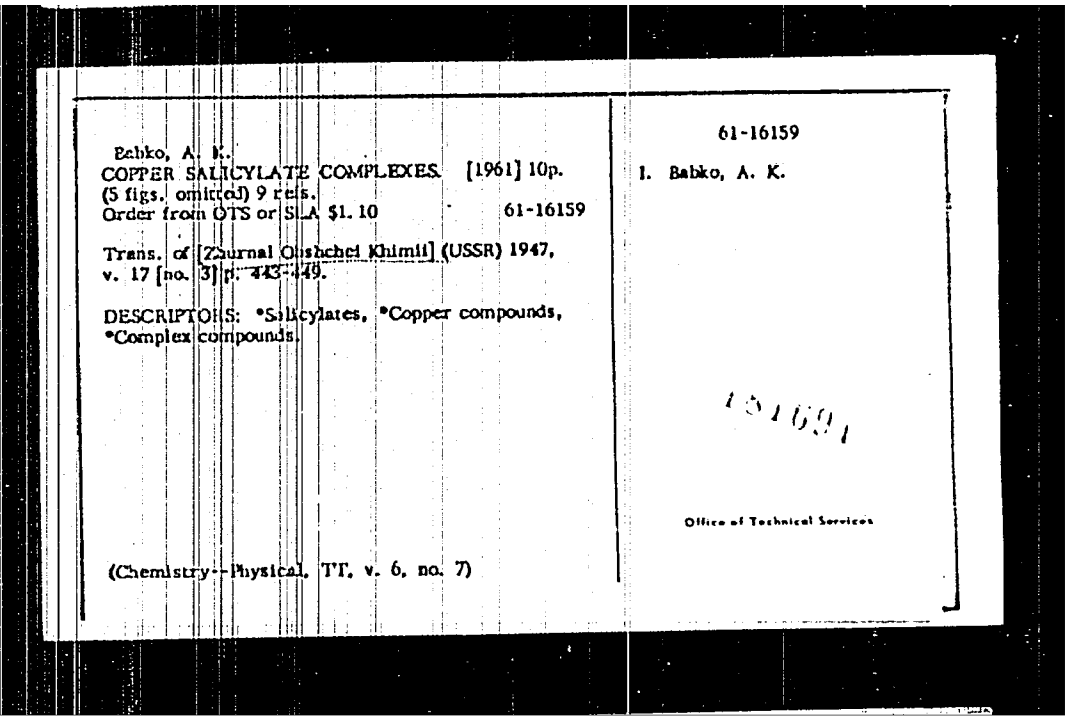


Babko, A. K.
COPPER SALICYLATE COMPLEXES. [1961] 10p.
(5 figs. omitted) 9 refs.
Order from OTS or SLA $1.10 61-16159

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1947,
v. 17 [no. 3] p. 443-449.

DESCRIPTORS: *Salicylates, *Copper compounds,
*Complex compounds.

(Chemistry--Physical, TT, v. 6, no. 7)

61-16159

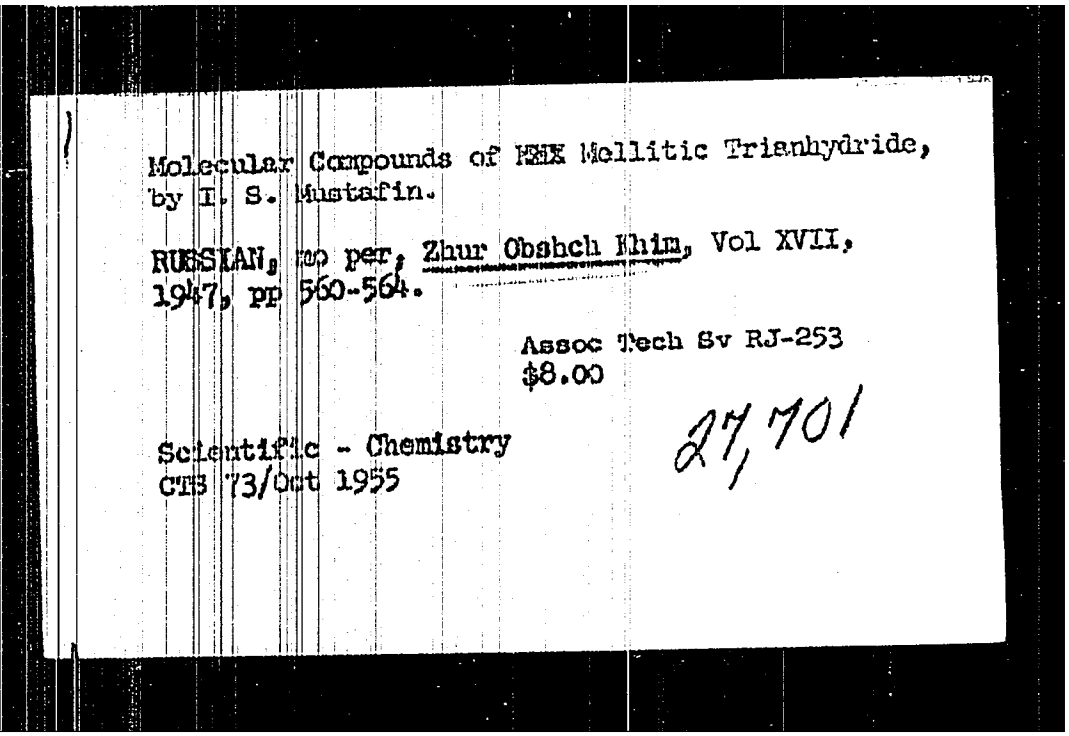
1. Babko, A. K.

151691

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6



Molecular Compounds of PMX Mellitic Trianhydride,
by I. S. Mustafin.

RUSSIAN, rep per, Zhur Obshch Khim, Vol XVII,
1947, pp 560-564.

Assoc Tech Sv RJ-253
$8.00

27,701

Scientific - Chemistry
CTS 73/Oct 1955

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

The Acid-Base Properties of KEEN Acetonitrile. II. Interaction of Acetonitrile With Bases, by M. Usanovich, V. Dulova, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XVII, No 4, 1947, pp 669-672.

CTS TT-62-20750 (9pp)

Sci Trans Center RT-435

10,919

Scientific - Chemistry
CTS/DTK

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

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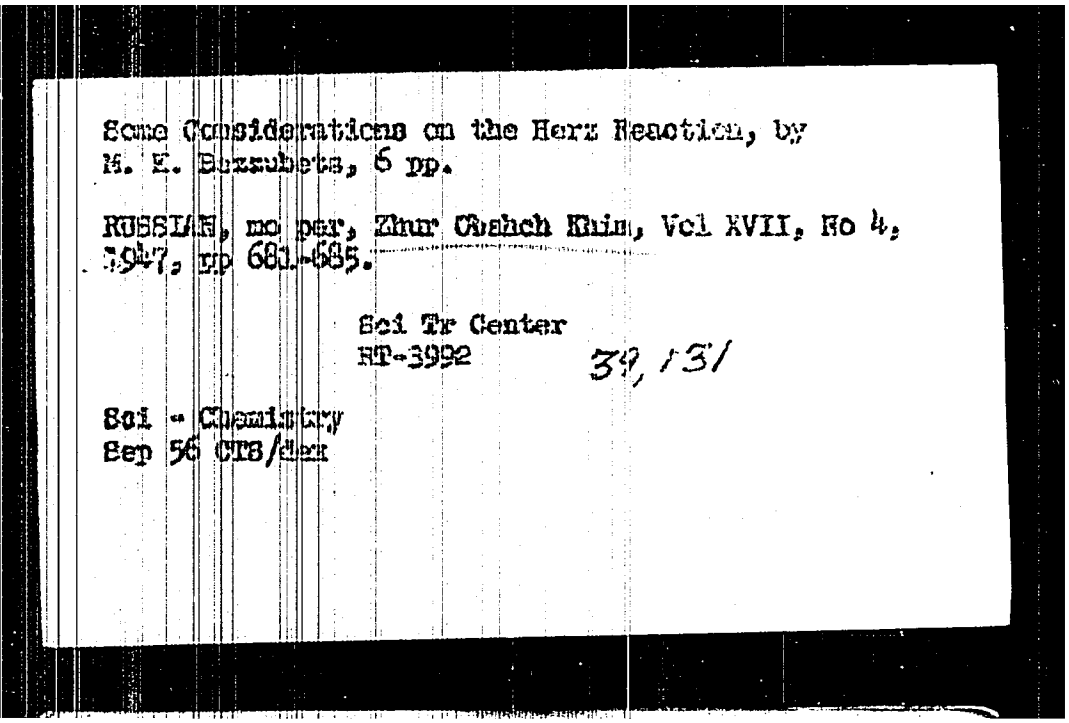

Some Considerations on the Herz Reaction, by
M. E. Bezzubets, 6 pp.

RUSSIAN, mo per, Zhur Obshch Khim, Vol XVII, No 4,
1947, pp 681-685.

Sci Tr Center
RT-3992 39, 131

Sci - Chemistry
Sep 56 CIS/Hex

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Question of the Electrochemical Theory of Solution of Metals in Acids (II), by Ya. V. Durdin.

Full translation.

RUSSIAN, mc per, Zhur Obshch Khim, Vol XVII, No 5, 1947, pp 844-861.

Def Sci Info Sv,
DRB Canada, T.66.R.

Scientific - Chemistry

Jun 53 CTS

2691

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Agency: Picatinny Arsenal
P.O.No. 72-146-c

R-15180-D
12 June .972

Title: Physico-Chemical Analysisi in the System Acetic Acid-Nitric Acid: Fusibility, Viscosity and Density of the System.

Author: S. P. Mishidzh'yan, N. A. Trifonov

Source: Zhurnal Obshchey Khimii, Vol. 17, #6, 1947
PP: 1033-1038 pp:

Language: Russian

Instructions: Please translate, type single space.
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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

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Yanat'eva, O. K.
SOLUBILITY, VISCOSITY, AND SPECIFIC GRAVITIES IN QUATERNARY AQUEOUS SYSTEMS OF ALKALI AND ALKALINE-EARTH METAL CHLORIDES (Rastvorimost', Vyazkost' i Udel'nye Vesa v Chetvernykh Vodnykh Sistemakh iz Khloridov Shchelochnykh i Shchelochno-Zemel'nykh Metallov). [1963] [13]p. (foreign text included) 4 refs.
Order from OTS or SLA $1.60 63-16991

Trans. of Zhurnal Obshchei Khimii (USSR) 1947, v. 17, no. 6, p. 1043-1046.

DESCRIPTORS: *Alkali metal compounds, *Alkaline earth compounds, *Chlorides, Solubility, Viscosity, Density, Solutions, Welding, Fluxes (Fusion).

Solubility, viscosity and specific gravities in the systems: NaCl — KCl — LiCl — H_2O, NaCl — KCl —
(Chemistry--Physical, TT, v. 10, no. 9) (over)

63-16991

I. Yanat'eva, O. K.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Study of Alloxan and of Certain of Its Derivatives as Analytical Reagents, by Leonid Kul'berg, 22 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XVII, No 6, 1947, pp 1089-1098. CIA D 151390

NIH

Scientific - Chemistry
Nov 55 CTS/DEX

28,358

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

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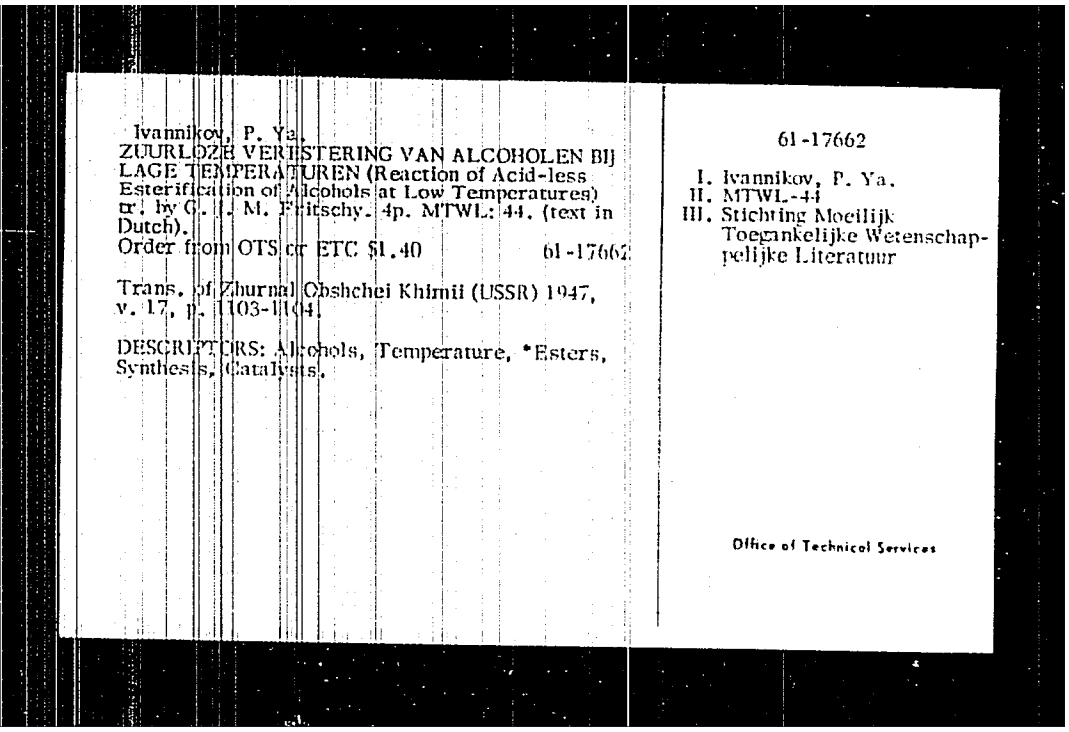


Ivannikov, P. Ya.
ZUURLOZE VERTESTERING VAN ALCOHOLEN BIJ LAGE TEMPERATUREN (Reaction of Acid-less Esterification of Alcohols at Low Temperatures) tr. by G. J. M. Fritschy. 4p. MTWL: 44. (text in Dutch).
Order from OTS or ETC $1.40 61-17662

Trans. of Zhurnal Obshchei Khimii (USSR) 1947, v. 17, p. 1103-1104.

DESCRIPTORS: Alcohols, Temperature, *Esters, Synthesis, Catalysts.

61-17662

I. Ivannikov, P. Ya.
II. MTWL-44
III. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Rogovin, Z. A., Khaît, E. and others.
ONDERZOEKINGEN OP HET GEBIED VAN DE POLYMERISATIE VAN INSTABIELE RINGVERBINDINGEN. II. POLYMERISATIE VAN CAPROLACTAAM IN AANWEZIGHEID VAN KLEINE HOEVEELHEDEN WATER (Polymerisation of Unstable Cyclic Compounds. II. Polymerization of Caprolactam in the Presence of Small Amounts of Water) tr. by G.J.M. Fritschy. 8p. 2 refs. MTWL-896. (text in Dutch).
Order from OTS or ETC $1.55 61-17605

Trans. of Zhurnal Obshchei Khimii (USSR) 1947, v. 17, p. 1316-1320.

DESCRIPTORS: *Polymerization, *Heterocyclic compounds, Organic compounds, Organic acids, Amides, *Resins.

61-17605

I. Rogovin, Z. A.
II. Khaît, E.
III. MTWL-896
IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

The Kinetics of the Decomposition of Lithium Amalgams in Water and Aqueous Solutions of Lithium Chloride and Lithium Hydroxide, by S. I. Skuratov, B. A. Sakharov

Full Translation

RUSSIAN, per, Zhur Obshch Khim, Vol. XVII, 1947, pp 1,385-1,400.

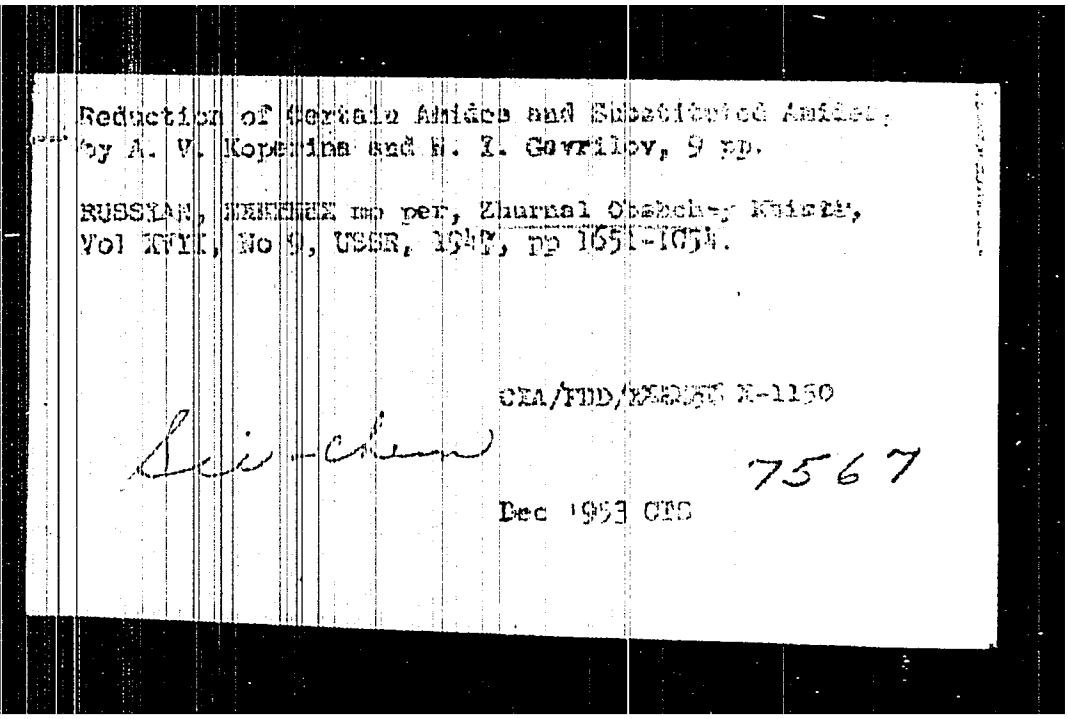
AEC Tr 1139

Sci - Chem

Feb 52 CTS

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6



Reduction of Certain Amides and Substituted Amides,
by A. V. Kopetina and N. I. Gavrilov, 9 pp.

RUSSIAN, [illegible] no per, Zhurnal Obshchey Khimii,
Vol XVII, No 9, USSR, 1947, pp 1651-1654.

CIA/FTD/[illegible] X-1150

Lei-Chen

7567

Dec 1953 CIC

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Investigation of the Alkaloids of Trachelanthus Karolkovi. V. Synthesis of Some Derivatives of Trachelanthamidine, by E. L. Gurevich, G. P. Men'shikov, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XVII, No 9, 1947, pp 1714-1717.

24,707 Sci Trans Center
RT-2363

Scientific - Chemistry Sep 55 CTS/DEX

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Natradze, A. G. and Mikhlina, Ye. Ye.
THE SYNTHESIS OF RACEMIC ISOPROPYLPILOSININE. Pt. 20 of Studies in the Pilocarpine Series of Alkaloids. [1961] 10p.
Order from ATS $13.80 ATS-81N48R

Trans. of Zhurnal Obshchey Khimii[H] (USSR) 1947, v. 17, no. 9, p. 1718-1727.

(Biological Sciences--Pharmacology, TT, v. 5, no. 10)

61-12359

1. Alkaloids--Synthesis
I. Natradze, A. G.
II. Mikhlina, Ye. Y.
III. Title: Studies. . . .
IV. ATS-81N48R
V. Associated Technical Services, Inc., East Orange, N. J.

ATS KJ-4030

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Office of Technical Services

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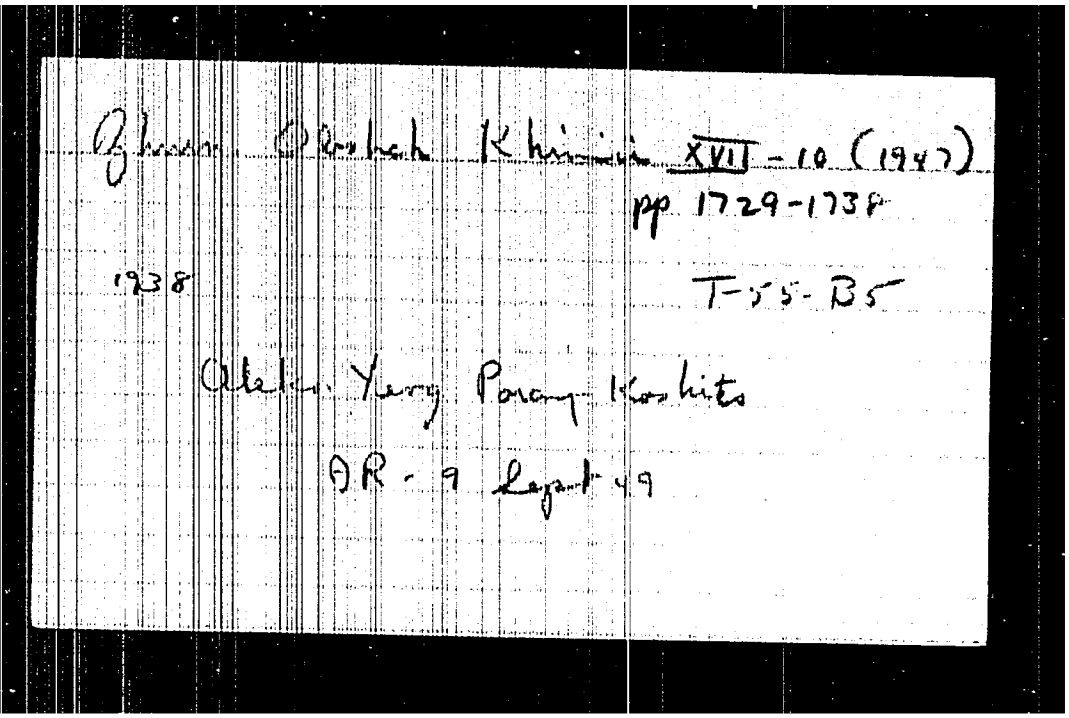

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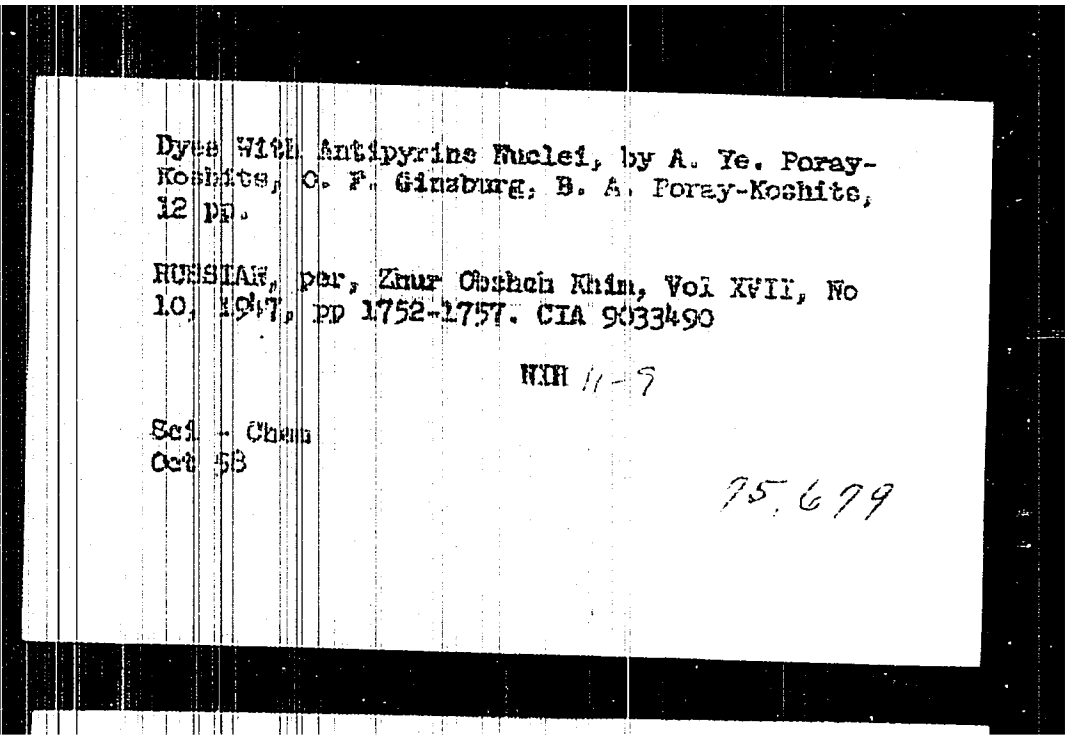
APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6



Dyes With Antipyrine Nuclei, by A. Ye. Poray-Koshits, O. F. Ginzburg, B. A. Poray-Koshits, 12 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XVII, No 10, 1947, pp 1752-1757. CIA 9033490

NIH 11-9

Sci - Chem
Oct 53

25.679

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Azo Dyes From 1,5-Aminonaphthol and Some of Its Derivatives. II. Determination of the Structure of the Mono-Azo Dyes From 1,5-Aminonaphthol, by A. Ye. Poray-Koshits, B. A. E Poray-Koshits, V. V. Perekalin, 26 pp.

RUSSIAN, pur, Zhur Obshch Khim, Vol XVII, No 10, 1947, pp 1758-1767. CIA 9033401

NLL 08-287/5 NIH 11-8

Sci - Chem
Oct 48

175,680

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Imidazole Derivatives. Communication I. Mechanism of Formation of Ester Benzimidazole Derivatives and the Role of Hydrochloric Acid in This Reaction, by B. A. Porai-Koshits, O. F. Ginsburg, L. S. Efros, 11 pp.

RUSSIAN, mo per, Zhur Obshch Khim, Vol XVII, No 10, 1947, pp 1768-1773.

Sci Tr Center
RP-3818 39,143

Sci - Chemistry
Sep 56 CRS/dex

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Zh Obshch Khim Vol 17, No 10, pp 1774-87, 1947

Studies of azomethines. I. Studies of the hydrolysis reaction of azomethines, B. A. Porai-Koshits, E. M. Poznanskaya, V. S. Shevcherko, L. A. Pavlova

AEC/BNL/Tr 130

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Structure and Transformation of Diazo Compounds. II. The Various p-nitrodiazobenzene Forms, by K I. V. Grachev, 18 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XVIII, No 10, 1947, pp 1834-1842.

Sci Tr Center
NT-3801

37,873

Sci - Chemistry

Aug 1956

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

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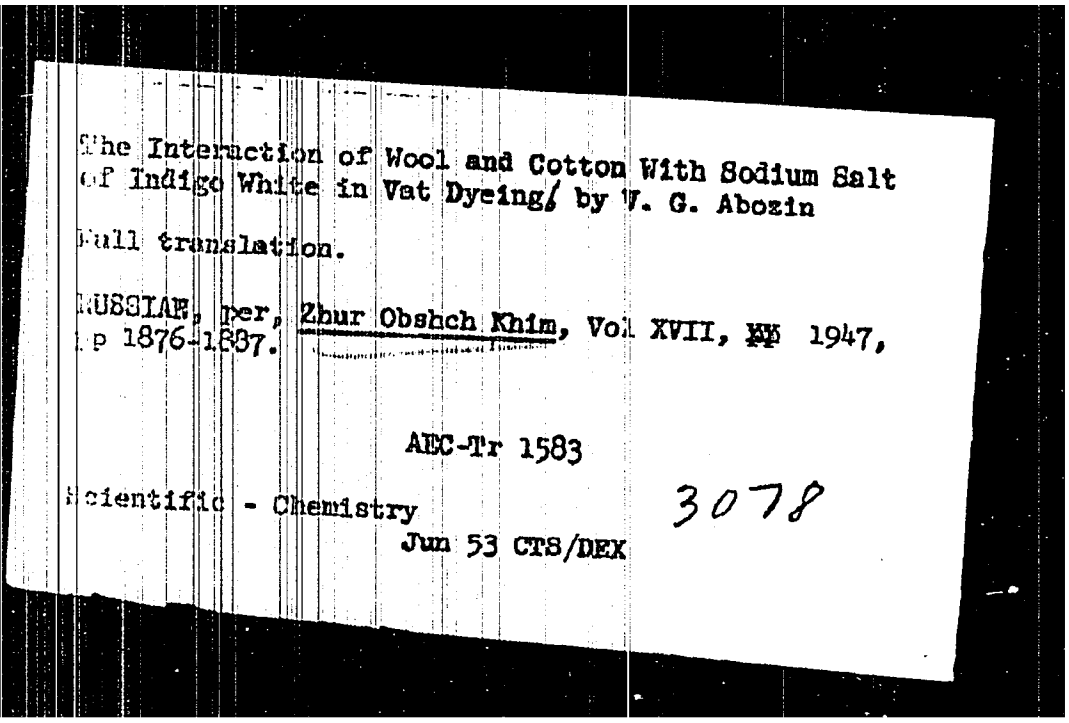

The Interaction of Wool and Cotton With Sodium Salt of Indigo White in Vat Dyeing/ by V. G. Abozin

Full translation.

RUSSIAN, Per, Zhur Obshch Khim, Vol XVII, No 1947, pp 1876-1887.

AEC-Tr 1583

Scientific - Chemistry

Jun 53 CTS/DEX

3078

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

The Radical (SO_2Cl_2) Its Structure and Reactions
by A. Ya. Yakubovich, Yu. M. Zinov'ev.
RUSSIAN, per, Zhurnal Obshchei Khimii,
Vol XVII, No 11, 1947, pp 2028-2047.
SLA TT 64-16329

May 67 327,192

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Obtaining Several Esters of Triarylmethylphosphinic Acid, by A. E. Arbuzov, K. V. Nikmorov, 11 pp. UNCLASSIFIED

RUSSIAN, per, Zhur Obshch Khim, Vol XVII, No 12, 1947.

AMC F-TS-6981-RE

AEC-1269

Also Avail. at Brookhaven Nat'l. Lab

12,814

Scientific - Chemistry

May CTS

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Arbuzov, A. Ye. and Kamay, G.
THE REACTIONS FOR MAKING PHOSPHONOACETIC AND PHOSPHONOMALONIC ESTERS. [1960] 17p.
Order from LC or SLA mi$2.40, ph$3.30 61-10741

Trans. of [Zhurnal Obshchey Khimii] (USSR) 1947, v. 17, p. 2149-2157.

151841

(Chemistry--Organic, TT, v. 5, no. 9)

61-10741

1. Esters--Synthesis
2. Phosphorus compounds (Organic)--Synthesis
3. Phosphites--Chemical reactions
4. Chlorine compounds (Organic)--Chemical reactions

I. Arbuzov, A. Ye.
II. Kamay, G.

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

Tin-Phosphorus-Organic Compounds, by B. A. Arbuzov, A. N. Pudovik, 8 pp. UNCLASSIFIED

RUSSIAN, per, Zhur Obshch Khim, Vol XVII, No 12, 1947. P/ 2158-2165.

ATS 21L29R
AMC-F-TS-6981-RE
SLA 61-10745
AEC Tr 1270

12,824

Also Avail at Brookhaven Nat'l Lab
Scientific - Chemistry May CTS

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6

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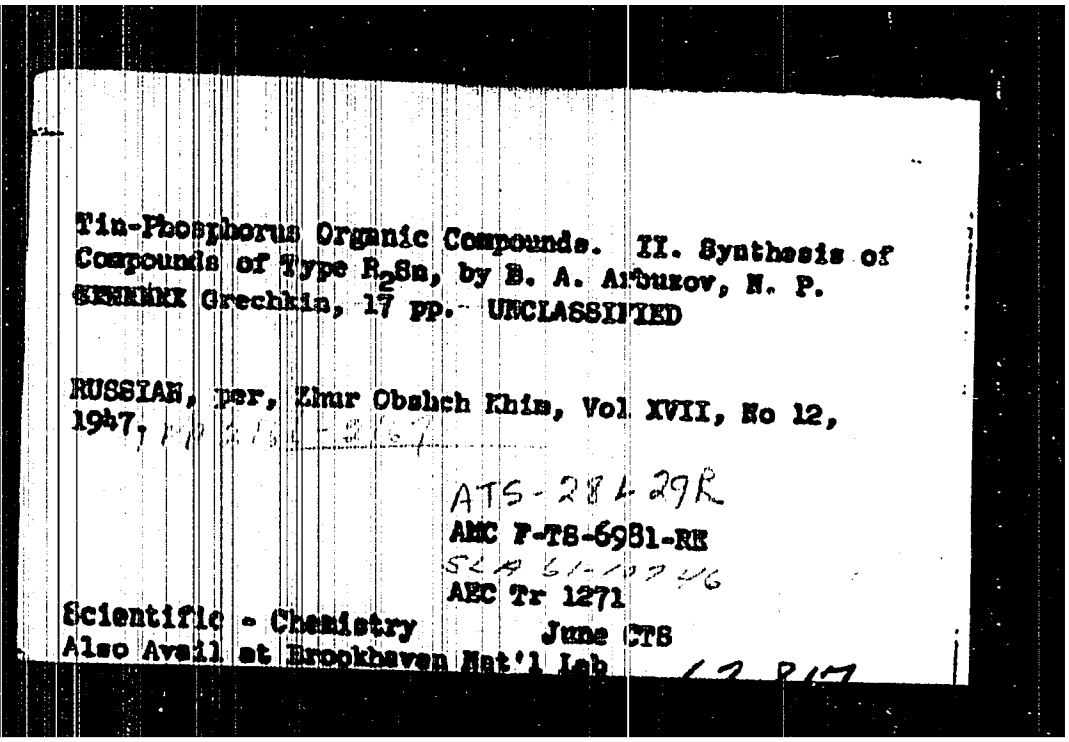

Tin-Phosphorus Organic Compounds. II. Synthesis of Compounds of Type R_2Sn, by B. A. Arbuzov, N. P. ~~XXXXXX~~ Grechkin, 17 pp. UNCLASSIFIED

RUSSIAN, per, Zhur Obshch Khim, Vol XVII, No 12, 1947, pp 2154-2157

ATS-284-29R
AMC F-TS-6981-RE
SLA 61-10246
AEC Tr 1271

Scientific - Chemistry June CTS
Also Avail at Brookhaven Nat'l Lab

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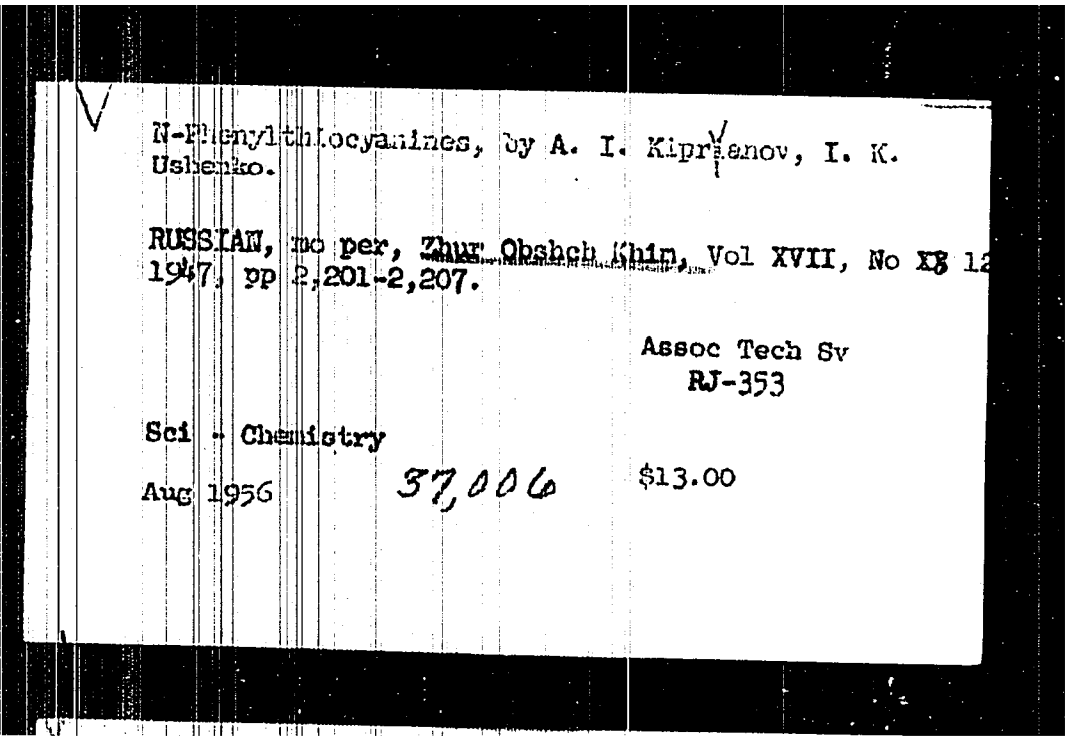
APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6



N-Phenylthiocyanines, by A. I. Kiprianov, I. K. Ushenko.

RUSSIAN, no per, Zhur Obshch Khim, Vol XVII, No XX 12 1947, pp 2,201-2,207.

Assoc Tech Sv
RJ-353

Sci - Chemistry

Aug 1956 37,006 $13.00

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290071-6